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DEPARTMENT OF THE INTERIOR.

Philippine Weather Bureau.

REPORT

OF THE

DIRECTOR OF THE PHILIPPINE WEATHER BUREAU

1902.

PART III.

Hourly Observations of Atmospheric Phenomena at the
Manila Central Observatory, 1902.

MANILA:
BUREAU OF PUBLIC PRINTING.
1903.

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INTRODUCTION.

This third part of the Report contains the meteorological observations taken during the year 1902 in the Central Observatory of Manila. It is to be noted that the observations of atmospheric pressure, temperature, relative humidity, vapor tension, the direction and force of the wind are hourly, and that between the hours 5 a. m. and 9 p. m. they are read directly, while between the hours of 10 p. m. and 4 a. m. they are taken from the self-registering apparatus. The hourly observations of the direction, form, and quantity of the clouds are made from 5 a. m. to 9 p. m., as may be seen in the tables. Each of the tables of the hourly observations has, besides, the respective hourly, daily, and monthly means. The extreme daily values of each of the elements together with the hours when the extremes occurred are brought together in a separate table. As to the other atmospheric elements, it is to be noted that the observations on ozone are taken twice a day, at 6 a. m. and 6 p. m., and the ground temperature once a day, at 8 a. m., on three thermometers at the depths of 25 cm., 50 cm., and 1 m., respectively.

The observations of the atmospheric pressure have not been corrected for gravity: the correction for this would be -1.72 mm.

All the observations in this report are expressed in the metric system, thus continuing in this what has been the system followed up to the present in this Observatory, as it was allowed us to do when the Philippine Meteorological Service was reorganized and the observations are arranged by months, as was done in the annual Spanish report.

BEAUFORT'S LETTERS AND INTERNATIONAL WEATHER SYMBOLS.

Ci.....Cirrus.	u.....Ugly or threatening weather.
Ci.-S.....Cirro-stratus.	v.....Visibility of distant objects.
Ci.-Cu.....Cirro-cumulus.	w.....Wet, or heavy dew.
A.-Cu.....Alto-cumulus.	●.....Rain.
A.-S.....Alto-stratus.	≡.....Fog.
S.-Cu.....Strato-cumulus.	⊖.....Dew.
N.....Nimbus.	⊕.....Solar corona.
Cu.....Cumulus.	☾.....Lunar corona
Cu.-N.....Cumulo-nimbus.	☾.....Lunar halo.
S.....Stratus	☼.....Solar halo.
Fr.-Cu.....Fracto-cumulus.	⚡.....Lightning.
Fr.-N.....Fracto-nimbus.	⚡.....Thunderstorm.
Fr.-S.....Fracto-stratus.	⚡.....Thunder.
S. cf.....Stratus cumuliformis.	⚡.....Strong wind.
N. cf.....Nimbus cumuliformis.	☁.....Rainbow.
M.-Cu.....Mammato-cumulus.	☁.....Dust haze.
b.....Clear, blue sky.	S.....Smooth sea.
c.....Partial clouds.	L.....Long rolling sea.
d.....Drizzling or light rain.	T.....Tide rips.
g.....Gloomy, or dark, stormy looking weather.	M.....Moderate sea or swell.
o.....Overcast.	H.....Heavy sea.
p.....Passing showers of rain.	R.....Rough sea.
q.....Squally weather.	

NOTE.—The intensity of any individual phenomenon may be distinguished by the figures of ° and ², which should be used as exponents of the symbols, so that ° indicate slight, and ² strong; e. g., ●° = slight rain; ●² = heavy rain. Figures marked with an asterisk represent extreme values.

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

ATMOSPHERIC PRESSURE, 700^{mm} +.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	60.35	59.90	59.90	59.95	59.97	60.32	60.52	60.99	61.35	*61.45	61.32	60.64
2-----	60.30	59.95	59.65	60.00	60.02	60.60	60.90	61.53	*61.63	61.23	60.75	60.22
3-----	60.45	59.90	59.65	59.55	59.56	59.90	60.28	60.99	*61.14	60.90	60.35	59.67
4-----	59.25	59.05	58.85	58.95	59.11	59.66	60.17	60.59	60.73	*60.74	60.34	59.48
5-----	58.85	58.35	58.35	*58.10	58.62	59.06	59.55	60.00	60.61	60.31	59.93	59.61
6-----	60.80	60.25	*99.90	60.05	60.26	60.56	61.45	62.25	62.35	62.49	62.27	61.77
7-----	62.15	61.60	61.15	60.90	61.06	61.36	61.81	62.14	*62.52	62.50	62.00	61.35
8-----	60.80	60.40	60.10	60.30	60.33	60.53	60.90	61.26	61.29	61.37	60.75	60.23
9-----	61.45	60.95	60.50	60.45	60.83	60.90	61.09	61.59	*61.61	61.54	60.85	60.11
10-----	60.60	60.25	60.00	60.10	60.12	60.52	60.61	61.15	*61.57	61.46	60.89	60.21
11-----	60.80	60.10	59.75	59.85	60.02	60.43	60.99	61.39	*61.84	61.70	61.46	60.68
12-----	60.75	60.20	59.80	59.90	60.24	60.34	60.90	61.07	*61.50	61.28	60.86	60.16
13-----	60.30	59.65	59.35	59.35	59.61	59.98	60.53	60.79	60.89	*60.93	60.41	59.59
14-----	59.80	59.30	59.00	59.00	59.08	59.35	59.68	60.28	60.54	60.42	59.97	59.45
15-----	60.00	59.60	59.50	59.55	59.60	60.01	60.48	60.77	*60.86	60.74	60.50	59.85
16-----	59.95	59.50	59.35	59.20	59.22	59.75	60.16	60.80	*60.93	60.66	60.24	59.71
17-----	59.90	59.40	59.20	59.25	59.34	59.77	60.22	60.68	*60.93	60.82	60.25	59.53
18-----	59.20	58.60	58.50	58.50	58.72	59.01	59.59	59.99	60.32	60.16	59.61	58.83
19-----	59.00	58.70	58.15	58.25	58.30	58.57	59.01	59.73	60.15	*60.21	59.77	58.98
20-----	58.75	58.40	57.95	57.80	57.73	58.22	58.64	59.15	*59.27	58.94	58.34	57.68
21-----	58.00	57.70	57.40	57.40	57.42	57.70	58.12	58.73	*58.87	58.76	58.44	57.41
22-----	58.20	57.75	57.45	57.05	57.29	57.54	58.41	58.76	59.14	59.01	58.74	58.12
23-----	59.35	59.05	58.90	58.95	59.07	59.47	59.63	60.03	60.54	60.45	60.13	59.54
24-----	61.30	61.05	60.95	61.00	61.04	61.30	61.54	62.11	62.36	62.43	62.05	61.19
25-----	62.70	62.50	62.30	62.35	62.33	62.53	62.80	62.75	*63.18	63.06	62.73	62.02
26-----	61.70	61.40	60.95	60.85	61.00	61.20	61.64	62.09	*62.36	62.11	61.69	60.98
27-----	60.50	59.90	59.40	59.20	59.30	59.63	60.03	60.44	*60.65	60.56	60.21	59.70
28-----	59.15	58.70	58.50	58.50	58.90	59.46	59.97	*60.51	60.16	60.08	59.76	59.07
29-----	59.40	58.95	58.90	58.80	58.84	59.42	59.71	60.33	60.46	60.58	60.45	59.77
30-----	60.50	60.10	59.85	59.85	60.01	60.54	61.24	61.71	*62.03	61.70	61.22	60.29
31-----	60.35	60.05	60.00	60.35	60.84	61.23	61.40	61.69	*61.79	61.62	61.04	60.49
Mean	60.15	59.72	59.46	59.46	59.61	59.96	60.39	60.85	*61.08	60.97	60.56	59.88

TEMPERATURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	*23.1	*23.1	23.2	*23.1	23.3	*23.1	*23.1	24.4	26.1	26.7	26.6	27.4
2-----	24.0	23.8	23.7	23.5	23.4	*23.2	*23.2	23.6	24.4	26.2	27.8	*29.4
3-----	24.7	24.6	24.5	24.2	23.8	*23.2	23.3	24.9	26.4	28.3	29.1	30.6
4-----	24.7	23.9	23.5	23.4	22.2	*21.5	*21.5	23.3	26.8	27.2	29.2	29.1
5-----	25.0	24.7	24.6	24.2	23.6	23.4	23.5	24.6	25.3	25.8	26.4	26.8
6-----	23.1	23.0	23.0	23.1	23.3	23.3	*22.9	23.2	*26.9	*26.9	26.7	26.6
7-----	23.1	22.8	22.6	22.2	*21.9	22.6	22.6	22.9	24.4	25.3	26.1	27.2
8-----	22.6	22.6	22.5	22.4	*21.8	22.0	*21.8	24.2	26.3	27.9	28.6	29.4
9-----	23.5	22.8	22.7	22.7	*21.6	22.2	22.4	24.4	26.6	28.3	29.1	*30.2
10-----	23.8	23.6	23.3	22.9	22.7	*22.4	*22.4	23.4	24.4	26.7	27.7	*29.5
11-----	22.8	22.7	22.6	22.5	22.3	*21.2	21.3	22.6	24.1	25.3	26.2	*27.3
12-----	22.6	22.4	22.2	21.7	21.1	21.1	*20.9	21.2	23.3	26.3	26.6	28.2
13-----	23.1	22.8	22.5	21.7	20.8	*20.4	20.7	21.8	24.7	26.6	26.8	28.8
14-----	23.7	23.4	22.7	*22.6	22.7	22.7	23.2	24.6	26.4	28.2	*29.1	28.3
15-----	23.2	23.1	22.7	22.5	*22.0	22.7	23.0	24.1	25.4	26.8	27.1	28.0
16-----	24.5	23.8	23.0	22.8	22.7	21.9	*21.2	23.5	25.6	26.7	27.1	27.1
17-----	24.4	24.0	23.6	23.4	*23.2	*23.2	*23.2	23.9	25.7	26.3	27.8	28.3
18-----	23.4	23.3	23.0	22.6	22.1	21.7	*21.4	24.3	26.9	27.2	27.8	28.4
19-----	24.3	24.2	24.2	24.3	24.3	22.8	*22.7	23.4	25.4	26.6	28.3	28.6
20-----	24.1	24.0	24.0	23.8	*23.4	*23.4	*23.4	24.5	27.3	27.7	28.9	28.3
21-----	23.6	23.4	23.2	23.0	*22.0	23.1	23.2	24.0	25.9	27.6	27.3	27.7
22-----	25.4	25.1	24.9	24.7	24.3	*24.0	*24.0	24.4	26.0	27.7	28.3	29.1
23-----	24.9	24.7	24.3	23.9	23.8	23.7	*23.5	24.5	27.1	27.7	29.4	29.5
24-----	23.9	23.7	23.5	23.4	23.3	23.2	23.2	24.8	26.2	27.5	28.2	28.8
25-----	22.7	22.6	22.6	22.5	22.3	*22.2	22.3	24.0	26.4	27.9	27.9	*29.8
26-----	23.6	23.5	22.9	22.8	*22.7	*22.7	22.8	23.2	24.3	25.8	27.2	27.6
27-----	23.5	23.4	23.3	23.3	23.3	22.9	*22.8	23.4	24.9	25.3	25.9	27.6
28-----	23.5	23.4	23.4	23.3	23.3	23.2	*22.7	22.9	24.5	26.0	27.3	27.9
29-----	24.2	23.8	23.7	23.6	23.1	*22.8	*22.8	23.9	25.7	25.9	25.8	27.2
30-----	23.5	23.2	23.0	22.7	*22.3	*22.3	22.9	24.8	26.7	27.4	28.2	28.7
31-----	24.4	23.7	23.2	22.9	*22.6	22.8	22.8	24.4	27.5	27.9	28.1	28.3
Mean	23.8	23.5	23.3	23.1	22.8	*22.6	*22.6	23.8	25.7	26.9	27.6	28.4

OBSERVATIONS FOR JANUARY, 1902.

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ATMOSPHERIC PRESSURE, 700mm +.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
59.96	59.13	58.85	*58.75	59.53	59.79	60.29	60.62	60.94	61.10	61.00	60.75	60.31
59.27	58.74	*58.21	58.25	58.72	59.01	59.52	60.12	60.55	60.85	60.90	60.60	60.06
58.78	58.06	*57.78	57.84	58.34	58.94	59.58	60.08	60.18	60.25	60.05	59.75	59.67
58.88	58.26	*58.06	58.13	58.63	59.30	59.84	59.99	60.11	60.00	59.45	59.05	59.44
58.52	58.37	58.27	58.64	59.17	59.74	60.22	60.89	*61.34	61.30	61.20	61.10	59.59
60.92	60.53	60.34	60.44	69.70	61.03	61.70	62.31	62.41	62.45	*62.50	62.45	61.34
60.58	59.70	*59.45	59.56	59.79	59.91	60.47	60.85	61.08	61.15	61.25	61.25	61.07
59.58	59.08	*58.81	59.03	59.58	60.06	60.64	61.25	61.45	61.50	*61.70	*61.70	60.53
59.56	59.23	*59.11	59.17	59.54	60.07	60.54	60.84	61.10	61.15	61.05	61.00	60.59
59.41	58.83	*58.49	58.67	59.09	59.67	60.22	60.78	61.18	61.15	61.25	61.15	60.31
59.98	59.29	58.91	*58.84	58.95	59.51	60.02	60.50	60.71	60.85	60.90	60.85	60.35
59.24	58.58	*58.10	58.38	58.81	59.26	59.81	60.25	60.55	60.70	60.80	60.65	60.09
58.85	58.25	*57.99	58.05	58.43	59.07	59.62	60.09	60.30	60.25	60.20	60.20	59.70
58.48	57.79	*57.56	58.19	58.77	59.41	60.23	60.61	*60.75	60.60	60.55	60.30	59.55
59.10	58.24	*58.05	58.18	58.54	59.06	59.52	60.11	60.37	60.55	60.55	60.40	59.76
59.08	58.61	*58.20	58.24	58.77	59.35	59.69	60.25	60.44	60.40	60.15	60.00	59.69
58.75	57.89	*57.58	57.59	57.83	58.51	59.38	59.86	60.04	60.25	60.05	59.55	59.44
57.94	57.32	*57.11	57.22	57.63	58.46	59.04	59.76	59.99	*60.35	60.05	59.75	58.99
58.20	57.72	57.34	*57.32	57.54	58.36	58.86	59.60	59.72	59.90	59.85	59.30	58.86
57.04	56.18	*56.10	56.19	56.44	57.14	57.54	58.35	58.60	59.00	59.00	58.60	57.96
56.45	55.78	*55.39	55.49	55.73	56.11	56.78	57.53	57.97	58.30	58.45	58.50	*57.43
57.60	56.87	56.19	*56.17	56.97	57.61	58.08	58.54	59.25	59.70	*59.95	59.60	58.08
59.04	*58.58	58.64	58.91	59.51	60.10	60.57	61.09	61.36	*61.55	61.40	61.45	59.89
60.61	59.96	*59.70	59.94	60.47	61.02	61.73	62.35	63.00	63.05	*63.10	62.90	61.51
61.27	60.89	*60.63	60.88	61.62	62.05	62.33	62.40	62.60	62.65	62.50	62.10	*62.22
60.25	59.52	*59.27	59.65	60.05	60.59	61.03	61.28	61.46	61.45	61.30	60.95	61.03
59.09	58.54	58.19	*58.16	58.91	59.27	59.69	60.10	60.45	60.10	59.90	59.55	59.64
58.21	57.45	*57.18	57.19	57.68	58.03	58.85	59.15	59.59	59.75	59.80	59.70	58.97
59.00	58.46	*58.07	58.19	58.59	59.01	59.59	60.28	60.47	*60.75	60.65	60.55	59.55
59.34	58.73	*58.52	58.82	59.43	59.49	59.66	59.88	60.23	60.25	60.40	60.55	60.18
59.57	58.79	58.37	*58.32	58.54	58.84	59.38	59.81	60.06	60.15	60.15	59.75	60.11
59.11	58.50	*58.21	58.34	58.78	59.28	59.82	60.31	60.59	60.69	60.65	60.45	59.87

TEMPERATURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
*28.0	27.9	27.2	27.3	25.9	25.7	25.7	25.6	25.0	24.8	24.5	24.2	25.2
28.9	28.1	28.3	28.8	27.9	27.1	26.6	25.5	25.3	24.7	24.7	24.7	25.7
30.4	30.5	*31.1	29.4	28.4	27.2	26.6	25.9	25.6	25.2	24.9	24.8	26.6
29.8	*30.2	29.5	29.3	27.8	26.7	26.1	26.0	26.0	25.8	25.6	25.1	26.0
*27.1	26.6	26.5	25.7	24.9	24.6	23.6	23.3	23.2	23.2	23.2	*23.1	24.7
*26.9	*26.9	26.8	26.4	25.7	24.8	24.7	24.5	24.4	23.8	23.6	23.3	24.7
*28.6	27.9	27.8	27.6	26.1	25.1	24.7	23.9	23.9	23.0	22.7	22.7	24.5
*30.0	29.9	29.7	28.6	27.6	26.6	24.7	24.4	24.1	24.1	24.0	23.7	25.4
28.9	27.8	27.5	26.4	25.7	25.2	25.0	24.9	24.7	24.4	24.2	24.0	25.2
28.0	27.5	27.4	26.6	25.3	24.8	24.1	23.2	23.1	23.0	22.9	22.8	24.6
26.6	27.2	27.1	27.2	26.6	25.6	24.4	24.6	24.3	24.0	23.9	23.3	*24.4
*30.2	28.8	29.4	28.3	27.1	25.6	24.9	23.9	23.4	23.2	23.2	23.4	24.5
28.1	28.4	*29.0	28.0	27.8	26.3	25.1	24.5	24.3	24.2	24.1	23.9	24.8
28.7	27.9	28.3	27.1	26.6	25.7	25.0	24.4	23.8	23.5	23.5	23.4	25.2
27.9	*29.4	28.2	27.5	26.7	26.1	25.4	25.0	25.0	24.8	24.8	24.7	25.3
28.1	28.8	*29.1	28.6	28.2	27.7	26.4	25.4	25.0	25.0	24.8	24.8	25.5
29.2	*29.5	28.8	28.5	28.3	26.8	26.0	25.2	25.0	24.5	24.2	23.8	25.7
29.1	29.9	*30.7	29.2	27.7	26.5	25.5	25.2	24.9	24.8	24.7	24.6	25.6
28.9	*29.6	28.9	28.4	27.3	26.2	25.8	25.1	25.0	24.7	24.7	24.6	25.8
28.3	*29.2	26.9	26.1	26.3	25.9	25.8	25.7	25.4	25.2	24.8	24.2	25.7
28.2	29.7	*30.1	29.2	28.9	27.8	27.6	27.3	27.1	26.6	25.8	25.6	26.2
29.6	30.5	*31.6	30.7	28.4	28.3	26.7	26.6	26.6	26.3	26.0	25.2	*26.9
*30.1	29.4	28.8	27.6	25.7	24.4	24.9	24.4	24.9	24.6	24.3	24.0	25.8
29.1	28.9	28.8	27.8	27.1	26.1	24.9	24.6	24.0	23.5	23.4	*23.0	25.5
27.9	27.8	27.9	27.7	27.1	25.7	24.7	24.4	24.3	24.0	23.8	23.7	25.1
27.7	27.2	*27.8	27.7	25.4	24.7	23.9	23.9	24.0	23.9	23.7	23.6	24.7
26.3	*27.7	27.3	26.7	26.2	25.6	24.9	24.4	24.4	24.3	23.9	23.6	24.8
28.2	*29.0	28.9	28.7	28.4	27.7	26.8	25.3	24.9	24.7	24.5	24.4	25.5
28.6	28.1	*28.9	28.4	28.0	27.8	27.2	26.1	25.0	24.3	24.1	23.8	25.5
30.1	29.9	*32.1	30.1	27.4	26.8	26.2	26.1	25.5	24.9	24.7	24.5	26.0
29.8	*30.6	30.3	30.1	29.0	27.7	26.5	25.6	25.4	24.8	24.6	24.2	26.1
28.6	*28.7	*28.7	28.1	27.1	26.2	25.5	25.0	24.8	24.4	24.3	24.0	25.4

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

RELATIVE HUMIDITY.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	87.0	88.0	88.0	90.0	90.0	89.0	88.0	82.0	*75.0	*75.0	83.0	80.0
2-----	97.0	97.0	97.0	*98.0	97.0	97.0	97.0	97.0	95.0	87.0	80.0	*76.0
3-----	89.0	90.0	91.0	92.0	96.0	*97.0	96.0	90.0	81.0	70.0	70.0	68.5
4-----	78.0	81.0	85.0	85.0	91.0	*92.0	*92.0	86.0	74.0	75.0	68.0	66.0
5-----	80.0	81.0	82.0	83.0	87.0	89.0	89.0	82.0	83.0	81.0	73.0	74.5
6-----	*84.0	83.0	80.0	77.0	72.0	72.0	80.0	80.0	65.0	62.0	65.0	63.0
7-----	78.0	79.0	79.0	81.0	*83.0	77.0	78.0	77.0	72.0	72.0	70.0	63.0
8-----	81.0	81.0	82.0	81.5	81.0	*84.0	*84.0	75.0	71.0	65.0	60.5	56.0
9-----	75.0	78.5	78.0	78.0	*86.0	76.5	79.0	74.0	69.0	61.0	60.0	*58.0
10-----	79.0	80.5	81.0	*83.0	82.0	80.0	80.0	80.0	74.0	65.0	60.0	*57.0
11-----	78.0	78.0	79.0	79.0	80.0	*84.0	*84.0	78.0	75.0	68.0	68.0	*63.0
12-----	82.0	83.0	82.0	84.0	*88.0	86.0	87.0	87.0	81.0	67.5	67.0	61.0
13-----	81.0	82.0	83.0	87.0	*94.0	93.0	92.5	89.0	79.0	71.0	68.0	*61.0
14-----	78.0	80.0	*83.0	*83.0	82.0	80.0	77.0	76.0	68.0	61.0	*59.0	63.5
15-----	77.0	77.0	79.0	80.0	*84.0	77.0	81.0	76.0	67.0	64.0	64.0	62.0
16-----	78.5	82.0	88.0	89.0	90.0	93.0	*95.0	88.0	78.0	73.0	71.0	71.0
17-----	88.0	91.0	94.0	96.0	96.0	*97.0	*97.0	94.0	86.0	80.0	76.0	73.0
18-----	90.0	90.0	89.0	91.0	*95.0	*95.0	94.0	84.0	76.0	74.0	69.0	70.0
19-----	84.0	86.0	86.0	84.0	83.0	*92.0	91.0	90.0	81.0	74.0	68.0	71.0
20-----	81.0	81.0	81.0	83.0	85.0	85.0	88.0	84.0	74.0	73.0	*69.0	74.5
21-----	96.0	97.0	97.0	97.0	*98.0	97.0	96.0	92.0	85.0	79.0	83.0	80.0
22-----	89.0	92.0	92.0	93.0	*96.0	94.0	94.0	*96.0	89.0	80.0	80.0	76.0
23-----	88.0	88.0	91.0	*95.0	*95.0	84.0	93.0	88.0	79.0	77.0	64.0	68.0
24-----	74.0	75.0	76.0	76.0	77.0	78.0	77.0	72.0	66.0	63.0	60.0	58.0
25-----	84.0	84.0	84.0	84.0	85.0	*86.0	*86.0	77.5	74.0	67.0	65.0	*61.5
26-----	80.5	80.0	*83.0	82.0	81.0	80.0	79.0	79.0	78.0	71.0	66.0	*64.0
27-----	80.0	80.0	80.0	80.0	78.0	82.0	83.0	80.0	74.0	74.0	74.0	*67.0
28-----	84.0	85.0	85.0	84.5	88.0	*91.0	89.0	89.5	81.0	75.0	72.0	70.0
29-----	84.0	87.0	86.0	86.0	88.0	*94.0	93.0	91.0	81.0	84.0	84.5	75.0
30-----	92.0	94.0	93.0	94.0	*95.0	94.0	92.0	86.0	77.0	75.0	73.0	73.0
31-----	87.0	91.0	93.0	94.0	*96.0	95.0	95.0	91.0	76.0	75.0	74.0	74.0
Mean	83.4	84.6	85.4	86.1	87.7	87.4	*88.0	84.2	76.9	72.2	69.8	67.7

VAPOR PRESSURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	*18.3	18.4	18.6	19.0	19.0	18.6	18.4	18.5	18.8	19.5	21.4	21.7
2-----	21.4	21.3	21.2	21.2	20.8	20.4	20.4	20.9	21.6	22.0	22.2	23.1
3-----	20.6	20.7	20.7	20.7	20.9	20.4	20.3	21.0	20.7	20.1	21.0	*22.3
4-----	18.0	17.9	18.2	18.2	18.1	17.5	17.5	18.3	19.3	20.0	*20.3	19.8
5-----	18.9	18.7	18.8	18.7	18.8	19.0	19.1	18.8	19.8	20.1	18.6	19.5
6-----	*17.8	17.3	16.8	16.2	15.4	15.4	16.6	16.8	17.0	16.3	17.0	16.3
7-----	16.3	16.4	16.1	16.2	16.2	*15.6	15.8	16.0	16.4	17.3	*17.7	16.8
8-----	16.5	16.5	16.5	16.4	*16.0	16.3	16.3	16.9	18.1	18.2	17.6	16.9
9-----	16.1	16.2	15.9	16.1	16.4	*15.2	15.9	16.8	17.9	17.4	17.9	*18.4
10-----	17.3	17.4	17.3	17.2	16.8	16.1	16.1	17.0	16.8	16.9	16.5	*17.5
11-----	16.0	16.1	16.1	16.0	16.0	*15.7	15.9	15.8	16.8	16.4	17.2	17.1
12-----	16.8	16.8	16.4	16.2	16.4	16.1	*16.0	16.3	17.2	17.2	17.2	17.3
13-----	17.0	16.9	16.9	16.9	17.1	*16.6	16.8	17.3	18.4	18.3	17.8	17.8
14-----	17.0	17.0	17.1	17.0	16.8	16.4	16.3	17.5	17.3	17.3	17.7	18.2
15-----	16.3	16.2	16.2	16.2	16.5	*15.7	16.9	16.9	16.1	16.7	17.0	17.4
16-----	17.9	18.0	18.3	18.5	18.5	18.1	*17.7	18.9	18.9	19.0	18.9	18.9
17-----	20.0	20.1	20.3	20.4	20.2	20.4	20.4	20.7	21.1	20.4	21.0	20.9
18-----	19.2	19.2	18.5	18.6	18.7	18.2	*17.7	19.0	20.0	19.8	19.1	20.3
19-----	19.0	19.2	19.2	19.0	18.8	19.0	18.7	19.2	19.6	19.2	19.3	*20.5
20-----	*18.0	18.1	18.1	18.2	18.2	18.2	18.8	19.2	19.9	20.1	20.3	21.3
21-----	20.7	20.6	20.4	20.3	20.4	20.3	*20.2	20.4	21.2	21.7	22.3	22.0
22-----	21.5	21.7	21.6	21.5	21.6	20.8	20.8	21.7	22.1	22.0	22.7	22.8
23-----	20.6	20.4	20.6	20.9	20.8	18.3	20.0	20.1	21.1	*21.2	19.6	20.8
24-----	16.4	16.3	16.4	16.3	16.4	16.5	16.3	16.7	16.7	17.2	17.1	16.9
25-----	17.3	17.2	17.2	17.1	17.0	17.1	17.2	17.2	19.0	18.6	18.2	*19.2
26-----	17.4	17.2	17.2	16.9	16.6	*16.4	*16.4	16.6	17.7	17.5	17.8	17.7
27-----	17.3	17.2	17.1	16.9	*16.6	17.0	17.2	17.2	17.3	17.8	18.4	18.4
28-----	*18.0	18.1	18.1	*18.0	18.7	19.3	18.2	18.6	18.5	18.7	19.4	19.6
29-----	18.8	19.1	18.8	18.7	*18.4	19.3	19.2	20.0	20.0	20.8	20.8	20.2
30-----	19.8	19.9	19.4	19.2	18.9	*18.8	19.1	20.0	20.1	20.3	20.8	21.5
31-----	19.8	19.7	19.7	19.5	19.5	19.5	19.5	20.6	20.8	21.0	21.0	*21.1
Mean	18.3	18.3	18.2	18.1	18.1	*17.8	17.9	18.4	18.9	19.0	19.2	*19.4

OBSERVATIONS FOR JANUARY, 1902.

7

RELATIVE HUMIDITY.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
79.0	77.0	82.0	83.0	92.0	93.0	94.0	92.0	94.0	94.0	95.0	*96.0	86.9
78.0	81.0	80.0	79.0	83.0	82.0	79.0	83.0	83.5	88.0	90.0	89.0	*87.9
66.0	66.0	59.5	*58.0	60.0	63.0	68.0	72.0	77.0	79.0	79.0	79.0	77.4
65.0	57.0	*54.0	*54.0	64.0	70.0	73.0	75.0	75.0	76.0	78.0	80.0	74.8
*70.0	71.0	70.5	77.0	87.0	84.0	89.0	*94.0	92.0	90.0	88.0	86.0	82.6
57.0	*56.0	*56.0	57.0	61.0	68.0	69.0	70.0	68.0	74.0	75.0	76.0	*69.6
59.0	59.0	*57.0	60.0	64.0	71.0	71.0	73.5	73.0	79.0	80.0	80.0	72.3
59.0	*55.0	59.5	59.0	60.0	66.0	72.0	73.0	72.0	72.0	72.0	74.0	70.6
60.0	60.0	61.0	65.0	67.0	70.0	73.0	73.0	75.0	77.0	78.0	78.0	71.2
57.5	60.0	61.0	60.0	63.0	66.0	69.0	71.0	71.0	75.0	76.0	78.0	71.2
64.0	*63.0	*63.0	65.0	69.0	69.0	74.0	75.0	77.0	77.5	77.0	80.0	73.6
58.0	64.0	*57.5	58.0	61.0	69.0	71.0	77.0	80.0	80.0	80.0	79.0	74.6
65.0	66.0	67.0	69.5	73.0	72.0	76.0	78.5	78.0	78.0	78.0	78.0	77.5
61.0	67.0	66.0	63.0	63.0	68.0	67.0	73.0	77.0	80.0	78.0	77.0	72.1
*57.0	57.5	58.0	61.5	66.0	69.0	70.5	76.0	77.0	78.0	78.0	78.0	71.4
69.0	*67.0	*67.0	69.0	68.0	76.0	76.0	84.0	87.0	86.0	87.0	86.0	79.9
69.0	70.0	*68.0	70.0	71.0	79.0	80.0	80.0	82.0	86.0	86.0	87.0	83.2
69.0	67.0	*62.0	*62.0	70.0	74.0	78.0	81.0	82.0	81.0	82.0	82.5	79.5
64.0	63.0	*60.0	62.0	68.0	73.0	72.0	76.0	78.0	80.0	79.0	79.0	76.8
77.0	71.0	86.0	*92.0	89.0	90.0	88.0	91.0	88.0	88.0	89.0	*92.0	83.3
78.0	75.0	*71.0	76.0	79.0	82.0	84.0	82.0	83.0	86.0	88.0	89.0	86.2
74.0	69.0	*66.0	71.0	74.0	71.0	80.0	80.0	83.0	83.0	83.0	88.0	83.0
64.0	*61.0	64.5	67.0	77.0	83.0	78.0	82.0	69.5	71.0	73.0	75.0	78.1
*57.0	59.0	*57.0	58.0	60.0	68.0	73.0	71.5	78.0	80.0	80.0	*82.0	69.8
65.0	67.0	64.0	62.0	63.0	76.0	79.0	82.0	83.0	84.0	83.0	81.0	76.1
65.0	68.0	*64.0	64.5	70.0	73.0	77.0	77.0	80.0	80.0	81.0	80.5	75.1
72.0	*67.0	69.0	*67.0	69.6	77.0	79.0	82.0	78.0	78.0	81.0	*84.0	76.5
70.0	67.0	69.0	70.0	*66.0	70.0	76.0	82.0	82.0	83.0	83.0	84.0	79.0
*74.0	76.0	*74.0	77.0	80.0	82.0	78.0	82.0	86.0	90.0	90.0	91.0	83.9
65.0	69.0	*63.0	69.0	80.0	85.0	85.0	85.0	88.0	92.0	92.0	90.0	83.4
67.0	*55.0	56.0	57.5	63.0	70.0	77.0	83.0	84.0	86.0	86.0	86.0	79.6
66.3	65.5	*64.9	66.5	70.3	74.5	76.6	79.2	80.0	81.7	82.1	82.7	77.6

VAPOR PRESSURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
22.1	21.5	21.9	22.3	22.8	22.7	*23.1	22.4	22.1	21.9	21.7	21.5	20.7
23.0	22.9	23.0	*23.3	23.2	21.8	20.4	20.1	*20.0	20.4	20.8	20.6	21.5
21.4	21.4	19.9	17.7	17.2	*16.8	17.6	18.0	18.7	18.8	18.6	18.5	19.8
20.2	18.1	16.5	*16.4	17.7	18.2	18.4	18.7	18.7	18.8	18.9	19.0	18.4
18.7	18.5	*18.1	18.9	*20.3	19.3	19.2	20.0	19.5	19.1	18.6	*18.1	19.0
15.1	14.9	14.8	*14.5	14.9	15.8	16.0	16.0	15.4	16.3	16.2	16.2	*16.0
17.1	16.4	15.7	16.6	16.1	16.8	16.4	16.2	16.0	16.4	16.4	16.4	16.4
*18.5	17.2	18.4	17.1	16.6	17.0	16.7	16.6	16.1	16.1	*16.0	16.2	16.9
17.8	16.6	16.6	16.6	16.3	16.6	17.3	17.2	17.3	17.5	17.4	17.4	16.9
16.2	16.5	16.5	15.4	15.2	15.3	15.4	15.1	*15.0	15.7	15.8	16.0	16.3
16.5	16.8	16.9	17.6	*17.9	16.9	16.8	17.3	17.3	17.2	17.1	16.9	16.7
18.5	*18.8	17.5	16.5	16.3	16.9	16.6	16.9	17.2	17.0	17.0	16.8	16.9
18.3	19.1	19.9	19.5	*20.2	18.3	18.1	17.9	17.7	17.6	17.5	17.2	17.9
17.9	18.6	*18.9	16.9	16.3	16.7	*15.7	16.6	16.9	17.1	16.8	16.5	17.1
16.0	17.5	16.6	16.8	17.1	17.3	17.0	18.0	*18.2	18.1	18.1	18.0	17.0
19.4	19.8	20.0	20.1	19.4	*21.1	19.6	20.2	20.4	20.2	20.2	19.9	19.2
20.7	*21.3	20.0	20.2	20.3	20.6	20.0	19.2	19.3	19.6	19.4	*19.1	20.2
20.6	*20.9	20.4	18.8	19.3	19.1	19.0	19.3	19.1	18.8	18.9	18.9	19.2
18.9	19.3	17.8	*17.7	18.4	18.5	17.8	17.9	18.3	18.5	18.2	18.1	18.8
22.1	21.4	22.5	*23.0	22.5	22.4	21.9	22.3	21.1	20.8	20.7	20.7	20.4
22.1	23.1	22.6	22.8	*23.4	22.8	22.9	22.1	22.3	22.2	21.6	21.8	*21.7
22.8	22.4	22.8	*23.3	21.2	*20.3	20.9	20.7	21.4	21.2	20.7	20.8	21.6
20.2	18.6	19.0	18.4	18.9	18.9	18.2	18.5	*16.3	*16.3	16.5	16.7	19.2
16.9	*17.4	16.7	16.1	*16.0	17.1	17.2	16.4	*17.4	17.1	17.2	17.1	16.7
18.0	18.5	17.9	17.2	*16.7	18.6	18.2	18.5	18.8	18.6	18.2	17.7	17.9
18.0	*18.1	17.8	17.8	16.9	16.9	17.1	16.9	17.7	17.6	17.5	17.4	17.3
18.3	18.5	18.6	17.5	17.4	*18.7	18.4	18.5	17.8	17.7	17.9	18.1	17.7
19.8	19.9	20.3	*20.5	19.1	19.5	19.9	19.6	19.1	19.3	19.0	19.1	19.1
21.5	21.4	21.9	22.0	22.5	*22.6	20.8	20.7	20.2	20.3	20.1	19.9	20.3
20.8	21.7	*22.5	22.0	21.7	22.2	21.6	21.3	21.4	21.4	21.2	20.5	20.7
20.7	*17.9	18.1	18.2	18.7	19.5	19.9	20.2	20.3	19.9	19.7	19.2	19.8
19.3	19.2	19.0	18.8	18.7	18.9	18.6	18.7	18.6	18.6	18.5	18.4	18.6

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

UPPER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Ci. s.	A. cu.			A. cu.	A. cu.
2	A. cu. E.		A. cu. E.	A. cu. SE.	A. cu. SE.	A. cu.
3	Ci. s. SSE.	Ci. s. SSE.	Ci. s.	Ci. s.	Ci. s. SSE.	Ci.
4		Ci. s. SE.	Ci. s.		Ci. s. SE.	Ci. s. SE.
5	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
6	Ci. s.	Ci. s.	A. cu.	A. cu.	A. cu.	A. cu.
7	A. cu.	A. cu. S.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
8	Ci.	A. cu.	A. cu.	Ci. s.	Ci. s.	Ci. s. SSE.
9	Ci. s.		Ci. s.	A. cu.	A. cu.	A. cu.
10	A. cu. SSW.	A. cu. SSW.	A. cu. S.	A. cu. S.	A. cu.	Ci. s.
11	A. cu. SE. by E.	A. cu.			A. cu.	A. cu.
12	A. cu.	A. cu. E. by S.	A. cu. E. by S.	A. cu. E. by S.	Ci. s.	Ci. s.
13	Ci. SSE.	Ci. s.	Ci. s.	Ci. SSE.	A. cu.	Ci.
14	A. cu. E. by S.	A. cu.	A. cu.	A. cu.		
15	A. cu.	A. cu. SE. by E.	A. cu. SE. by E.	A. cu. SE.	A. cu.	A. cu.
16	A. cu. SE. by E.	A. cu.	A. cu. SE. by E.	A. cu. SE. by E.	A. cu.	A. cu.
17	A. cu. E.	A. cu. E.	A. cu.	A. cu.	A. cu.	A. cu.
18	A. cu.	Ci.	A. cu.		Ci. cu.	A. cu.
19	A. cu. SE.	A. cu. SE.	A. cu.	A. cu. SE.	A. cu.	A. cu.
20		A. cu.	A. cu.	Ci. cu. ESE.		
21	A. cu.	A. cu.	Ci. s. SE. by S.	Ci. s. SE. by S.	Ci. s.	Ci. s.
22	Ci. s. S.	A. cu.	A. cu. S.	Ci. cu. S.	Ci. s.	Ci. s.
23	A. cu. SW.	A. cu. SW. by S.	A. cu.	A. cu. S.	A. cu.	
24	A. cu. E.					A. cu.
25				A. cu.		
26		A. cu. SE.	A. cu. SE.			
27		A. cu. S. by E.	A. cu. S. by E.	A. cu.	A. cu.	A. cu.
28			A. cu. SSW.	A. cu. SSW.	A. cu.	A. cu.
29	A. cu.	A. cu.	A. cu. WSW.	A. cu.	A. cu. WSW.	A. cu.
30	A. cu. WNW.	Ci. s.	Ci.	Ci.	Ci.	
31	Ci.	Ci.	Ci. W. by S.	Ci.	Ci.	Ci.

LOWER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	S. cu.	S. cu.	S. cu.	S. cu. E.	S. cu. E.	Cu. E.
2	Fr. N. E.	N.	S. cu. NNE.	S. cu.	Cu. E. by N.	N. cf.
3	S. cu.	S. cu.	Cu.	Cu.	Cu.	Cu.
4	N. cf. E. by N.	Cu. E. by N.	Cu.	Cu. ENE.	Fr. cu. ENE.	Cu.
5	S. cu.	S. cu. E.	S. cu. E.	S. cu. E.	S. cu. E.	S. cu. E.
6	S. cu.	S. cu.	Cu. NE. by E.	Cu. NE. by E.	Cu. ENE.	Cu.
7	S. cu.	S. cu.	S. cu.	S. cu.	Fr. s.	Fr. s.
8	Cu.	Cu.	Cu.	Fr. cu. ENE.	Cu. ENE.	Cu. ENE.
9	S. cu.	Cu.	Cu. E. by N.	Cu. NE.	Cu. NE.	S. cu. NE.
10	S. cu.	S. cu.	S. cu.	Cu.	Cu. E. by N.	Cu. ENE.
11	S. cu. ESE.	S. cu.	S. cu.	S. cu. ESE.	S. cu.	S. cu.
12	Cu.	Cu.	Cu.	Cu.	Cu.	Cu. ENE.
13	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
14	Cu. ENE.	Cu.	Cu. ENE.	Cu. ENE.	N. cf.	S. cu.
15	S. cu. E. by S.	Cu.	S. cu.	Cu.	S. cu.	N. cf.
16	S. cu.	Cu.	Cu.	Cu. ENE.	Cu. E.	Cu. E.
17	S. cu.	S. cu.	S. cu.	Cu. E. by N.	Cu.	Cu. E.
18	Cu.	Cu.	Cu.	Fr. cu. E.	Fr. cu. E. by N.	Cu. ENE.
19	S. cu.	S. cu.	S. cu.	S. cu. E.	Cu.	Cu.
20	Cu. E. by N.	S. cu.	Cu. E. by N.	Fr. cu. NE. by E.	Cu. ENE.	N. cf. ENE.
21	S. cu. N.	S. cu. N.	S. cu. N. by W.	Cu. N. by W.	Cu.	Cu. NNW.
22	S. cu.	Cu.	Cu. NNW.	Cu. NNE.	Cu.	Cu.
23	S. cu.	Cu. ENE.	Cu. ENE.	Cu. NE.	Cu.	N. cf.
24	Cu. NE. by E.	S. cu. NE. by E.	Fr. cu. NE. by E.	Fr. cu. NE. by E.	Cu. NE. by E.	Cu.
25	S. cu. ENE.	Cu. ENE.	Cu.	Cu.	Cu. ENE.	Cu. ENE.
26	S. cu. E.	S. cu. E.	S. cu. E. by N.	S. cu. E.	S. cu.	Cu.
27	S. cu. ENE.	S. cu. ENE.	S. cu. ENE.	N. cf.	N. cf.	S. cu.
28	S. cu. ENE.	Fr. N.	S. cu.	Cu.	Cu.	Cu.
29	S. cu.	S. cu.	S. cu. SW.	S. cu. SW.	S. cu.	Cu.
30	S. cu.	S. cu.	Cu.	Cu.	Fr. cu. E. by S.	Cu. E. by S.
31	S. cu.	Cu.	Cu.	Cu. E. by S.	Cu. E. by S.	Cu.

9

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
A. cu.	SE.	Ci.		A. cu.		A. cu.		Ci. s.		Ci. s.	
Ci.		Ci. s.		A. cu.	SE.	Ci. cu.		Ci.		Ci.	
Ci. s.		Ci. s.		Ci. s.		Ci. s.		Ci. s.	SE.	Ci. s.	
Ci. s.		Ci. s.		Ci. s.		Ci. s.		Ci. s.		Ci. s.	
A. cu.	E.	Ci. s.		Ci. s.	S.	Ci. s.		Ci. s.	S.	Ci. s.	
Ci. s.		A. cu. SE. by E.		Ci. cu.	SE.	Ci. s.		Ci. s.	SSE.	Ci. s.	
Ci. s.		Ci. s.		Ci. s.		Ci. s.		Ci. s.		Ci. s.	
Ci. cu.		A. cu.		A. cu.		A. cu.		A. cu.		A. cu.	
A. cu.	S.	A. cu.		A. cu.		A. cu.		A. cu.		A. cu.	
A. cu.				A. cu.	SE.	A. cu.		A. cu.		A. cu.	
Ci. s.		Ci. s.		Ci. s.		Ci. s.		Ci. s.		Ci. s.	
		Ci. cu.		A. cu.		A. cu.		A. cu.		A. cu.	
A. cu.		A. cu.		A. cu.	SE.	A. cu.	SE.	A. cu. SE. by E.		A. cu.	
A. cu.		A. cu.		A. cu.		A. cu.		A. cu. SE.		A. cu.	
A. cu.		A. cu.		A. cu.		A. cu.	E.	A. cu.	E.	Ci. s.	
A. cu.		A. cu. SE. by E.		A. cu.		A. cu.		A. cu.		A. cu.	
A. cu.		Ci. cu.		A. cu.		A. cu.		Ci. s.		A. cu.	
Ci. s.		Ci. s.		Ci. s.		Ci. s.		A. cu.		Ci. s.	
Ci. s.		A. cu.		Ci. s.		Ci. s.		Ci. s.		Ci. s.	
						A. cu.					
		A. cu.		A. cu.		A. cu.	SE.	A. cu.		Ci. s.	
				A. cu.	SE.	A. cu.		A. cu.	SE.	A. cu.	SE.
A. cu.		Ci. cu. SW. by W.		A. cu.		A. cu. SW. by S.		A. cu.		A. cu.	
A. cu.		A. cu.		A. cu.	WSW.	A. cu.		A. cu.		A. cu.	
Ci.								A. cu.	NE.	Ci.	
Ci. s.		Ci. s.		Ci.		Ci.		Ci.		Ci.	

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
S. cu.	S. cu.	S. cu.	Cu. N.	S. cu.	S. cu.
N. cf. ENE.	N. cf. E. by N.	Cu. ENE.	N. cf. ENE.	N. cf. ENE.	N. cf.
Cu.	Cu. E. by N.	S. cu. E. by N.	Cu.	Cu.	S. cu.
Cu.	Cu. E. by N.	S. cu. ENE.	Cu.	Cu.	S. cu.
S. cu.	S. cu.	S. cu.	Cu. N.	S. cu.	Cu. N.
Cu. ENE.	Cu.	Cu.	Cu.	S. cu.	S. cu.
Cu.	Cu. NE. by E.	Cu. NE. by E.	Cu.	S. cu.	S. cu.
N. cf. E. by N.	Cu.	N. cf. E. by N.	N. cf. E.	Cu. ESE.	Cu.
S. cu.	S. cu.	S. cu.	S. cu.	S. cu.	S. cu.
N. cf. E. by N.	N. cf. E. by N.	N. cf. E. by N.	N. cf. E. by N.	N. cf.	S. cu.
S. cu.	N. cf.	N. cf. E.	S. cu.	S. cu.	S. cu.
Cu. NE. by E.	Cu. NE. by E.	Cu.	Cu.	Cu.	S. cu.
Cu. E. by N.	Cu. E. by N.	Cu. E. by N.	S. cu. E.	S. cu.	S. cu.
N. cf.	N. cf. E.	N. cf. E. by S.	N. cf.	S. cu.	S. cu.
S. cu.	Cu. E. by S.	N. cf. ENE.	N. cf.	S. cu.	S. cu.
Cu. ENE.	Cu.	Cu. E.	Cu.	Cu.	Cu.
Cu. E. by N.	Cu.	S. cu. ENE.	S. cu.	S. cu. ENE.	S. cu.
Cu. ENE.	Cu.	N. cf. E.	N. cf. NE. by E.	S. cu.	S. cu.
Cu.	Cu. ENE.	Cu. ENE.	Cu.	Cu.	S. cu.
Cu. N. ENE.	N. cf. ENE.	N.	N.	Fr. N.	S. cu.
Cu.	Cu.	Cu.	Cu.	Cu. N.	S. cu.
Cu.	Cu.	Cu.	Cu.	Cu. ESE.	S. cu.
N. cf.	N. cf. NE.	N. cf. E.	Cu. N.	N.	S. cu.
Cu. E. by N.	S. cu. E. by N.	Cu.	Cu.	N. cf. E.	S. cu.
S. cu.	S. cu.	S. cu.	S. cu.	S. cu.	S. cu.
N. cf. ENE.	N. cf. NE.	Fr. cu. NE.	N. cf. NE.	N. cf.	S. cu.
N. cf. E. by N.	N. cf. ENE.	N. cf. ENE.	Cu.	S. cu.	S. cu.
Cu. ENE.	Cu. ENE.	Cu.	Cu.	Cu.	S. cu.
S. cu.	S. cu.	Cu. ENE.	Cu. ENE.	S. cu.	S. cu.
Cu. E. by S.	Cu. E.	Cu. N. E.	N. cf. E. by S.	N. cf. E. by S.	S. cu.
Cu.	Cu.	Cu.	Cu.	Cu.	N. cf.
					S. cu.

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.
1	Calm.	NNE. 1.0	ENE. 1.5	NE. 1.5	NE. 1.5	NNE. 1.5
2	N. *4.0	N. 3.5	N. 1.5	NE. 1.0	NNE. 2.5	SSE. 2.0
3	Calm.	Calm.	Calm.	NE. 0.5	NE. 0.5	NE. 0.5
4	Calm.	Calm.	ENE. 1.5	NNE. 1.0	NNE. 1.0	Calm.
5	N. 1.5	N. 2.0	N. 1.5	N. 2.0	NNE. 2.5	Calm.
6	NNE. 1.5	NE. 2.0	NNE. 1.0	NNE. 0.5	ENE. 0.5	ENE. 1.0
7	Calm.	Calm.	Calm.	Calm.	Calm.	N. 2.0
8	Calm.	Calm.	Calm.	NNE. 0.5	N. by E. 3.0	NNE. 2.0
9	NE. 1.0	Calm.	NE. 1.0	NE. 1.5	NE. 1.0	N. 1.5
10	Calm.	Calm.	Calm.	N. 1.0	Calm.	N. 1.5
11	Calm.	NW. 2.0	W. *3.0	NW. 1.5	NW. 1.5	Calm.
12	ENE. 1.0	Calm.	Calm.	Calm.	Calm.	NE. 1.5
13	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
14	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
15	NE. 1.0	NNE. 2.0	NNE. 0.5	N. 1.5	Calm.	NNE. 1.0
16	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
17	ESE. 1.0	Calm.	Calm.	Calm.	Calm.	Calm.
18	SE. 1.0	Calm.	Calm.	ESE. 1.0	Calm.	Calm.
19	Calm.	Calm.	Calm.	WSW. 0.5	Calm.	Calm.
20	NNE. 1.0	N. 1.0	NNE. 1.0	ENE. 2.0	ENE. 2.0	Calm.
21	N. 2.0	N. 1.5	N. 1.5	N. 3.0	N. *5.5	NE. by E. 3.0
22	Calm.	Calm.	Calm.	Calm.	Calm.	E. 0.5
23	NNE. 2.0	N. 2.5	Calm.	Calm.	N. 2.0	NE. 2.5
24	NNW. 1.5	Calm.	Calm.	N. 1.5	NNE. 2.5	NNE. 2.5
25	Calm.	Calm.	Calm.	Calm.	N. 1.5	NNE. 2.0
26	Calm.	NNE. 1.0	Calm.	Calm.	Calm.	NNE. 1.5
27	Calm.	Calm.	SSE. 1.0	SSW. 1.0	SW. 1.5	WNW. 1.5
28	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
29	Calm.	Calm.	Calm.	NNE. 1.0	NE. 0.5	Calm.
30	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
31	ESE. 0.5	Calm.	Calm.	Calm.	Calm.	Calm.
Mean	0.6	0.6	*0.5	0.7	1.0	0.9

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
1	W. 1.0	W. 2.5	WNW. 3.0	NW. 3.5	N. 2.0	Calm.
2	SSW. 1.0	NE. 3.0	Calm.	E. 1.5	Calm.	NE. 2.5
3	WSW. *3.5	WSW. 1.5	N. 2.0	ENE. 3.0	E. 2.0	E. 2.0
4	Calm.	NE. *4.0	NE. 3.0	ENE. 2.0	NNE. 3.5	NE. 0.5
5	E. *3.5	Calm.	E. 2.0	NE. 3.0	Calm.	Calm.
6	E. by N. *11.0	E. by N. 9.5	E. by N. 6.0	E. 6.0	E. 3.0	E. 3.0
7	Calm.	NE. 2.0	NE. 3.0	NNE. *5.5	NNE. 3.0	NE. 2.0
8	SW. 0.5	W. 2.0	ESE. 2.5	E. *4.5	NE. 2.5	NE. 1.0
9	ENE. 1.5	NE. *4.5	E. 4.0	NE. 3.5	NE. 3.0	Calm.
10	ESE. *4.5	NE. 1.5	ENE. 1.5	ESE. *4.5	NE. 2.5	Calm.
11	W. *3.0	W. 2.0	WSW. 1.0	W. 0.5	Calm.	SSE. 1.5
12	SW. 1.0	W. 0.5	ESE. 2.5	ESE. 2.0	ESE. 2.5	ESE. 0.5
13	WSW. 1.5	W. 2.0	W. 1.5	W. 0.5	SSW. 1.0	NE. 1.5
14	SW. 0.5	W. 2.5	SW. 2.0	ENE. *3.0	NE. 1.0	NE. 2.0
15	ESE. 1.5	SE. 3.0	E. by S. *4.5	E. 3.5	E. 2.0	NE. 3.0
16	W. by S. 3.0	W. *3.5	WSW. 1.0	W. 1.0	NNW. 1.5	E. 1.0
17	WNW. 1.5	WNW. 1.5	SE. *4.0	SE. *4.0	ESE. 2.0	SE. 1.5
18	WSW. 4.0	SSE. *7.0	Calm.	ENE. 1.0	SE. by E. 1.0	SE. 4.0
19	W. 2.0	W. 2.5	NE. 3.0	NE. 3.5	NNE. *4.0	NNE. 3.5
20	SSW. 0.5	NE. 2.0	E. *6.0	Calm.	Calm.	W. 3.0
21	WSW. 1.0	WSW. 1.0	Calm.	Calm.	Calm.	WSW. 1.5
22	WSW. 2.5	SW. 2.0	SW. 1.0	SW. by W. 1.5	ENE. 3.0	Calm.
23	WSW. 2.5	NE. 3.0	NNE. 1.5	NNE. *4.0	NNE. 2.0	N. 1.0
24	NNE. 3.5	N. 5.0	NE. 6.0	NE. *8.0	NE. 2.0	NNE. 2.5
25	N. *4.0	NNE. 2.0	ENE. 1.5	ENE. 2.5	E. 0.5	ESE. 3.5
26	SW. 1.5	WSW. 2.0	SE. 1.5	SSE. 2.0	ESE. *3.5	SE. 2.5
27	W. 1.5	WSW. 1.0	SW. 1.0	E. 0.5	Calm.	ESE. 0.5
28	WSW. 2.5	W. 3.5	W. 3.0	WNW. 2.5	NNW. *4.5	NNW. 4.0
29	W. *2.5	Calm.	WSW. *2.5	W. 2.0	W. 1.5	W. 1.0
30	W. 2.0	W. 1.5	Calm.	SE. *4.0	ENE. 1.0	Calm.
31	SW. 2.5	SE. by E. 4.5	SSE. *7.0	ESE. 3.0	SE. 4.0	SE. 5.5
Mean	2.3	2.7	2.5	*2.8	1.9	1.8

OBSERVATIONS FOR JANUARY, 1902.

11

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
N.	1.5	NNE.	*4.0	N.	*4.0	NNE.	3.0	NNE.	2.0	N.	1.5
Calm.		ENE.	1.5	ENE.	2.0	NE.	2.0	NE.	2.0	NNE.	1.5
Calm.		Calm.		NE.	1.5	Calm.		W.	1.0	ENE.	1.5
NE.	1.0	Calm.		ESE.	4.5	Calm.		SSW.	0.5	SW.	2.5
NE.	1.5	Calm.		Calm.		NNE.	2.0	NE.	2.5	ENE.	1.5
N.	3.5	NE.	3.5	ENE.	4.5	E.	4.0	E.	7.5	E.	9.0
N.	1.5	N.	1.0	Calm.		W.	1.5	Calm.		SW.	1.0
NNE.	1.0	NNE.	0.5	NNE.	1.0	SW. by W.	2.0	WSW.	3.0	E.	1.0
NNE.	1.5	Calm.		W.	2.0	WSW.	1.5	SW.	2.0	SW.	1.5
Calm.		Calm.		NNE.	2.0	NW.	1.5	ENE.	3.0	NW.	2.5
Calm.		Calm.		Calm.		WSW.	1.5	WSW.	1.0	W.	1.0
NE.	1.0	NE.	1.0	NNE.	2.5	Calm.		W.	*3.0	WSW.	1.5
E.	1.0	Calm.		WNW.	1.0	W.	1.5	WSW.	*3.0	SW.	2.5
WNW.	1.0	Calm.		WSW.	2.0	SW.	2.0	WSW.	2.0	Calm.	
Calm.		Calm.		Calm.		WNW.	1.0	W.	1.0	Calm.	
Calm.		Calm.		SW.	1.0	W.	3.0	NW.	3.0	W.	2.5
Calm.		Calm.		Calm.		SE.	0.5	WSW.	2.0	WNW.	3.0
Calm.		ESE.	1.5	Calm.		WNW.	4.0	W.	3.0	WSW.	3.0
Calm.		Calm.		Calm.		SSE.	1.5	S.	2.0	SSW.	1.5
Calm.		Calm.		Calm.		WSW.	1.5	WSW.	2.0	WSW.	0.5
NNE.	2.0	NNE.	1.5	N.	1.5	NE.	1.5	Calm.		W.	3.0
Calm.		E. by N.	1.5	Calm.		NNE.	1.5	W.	2.5	W.	2.0
NNE.	1.5	NNE.	2.0	Calm.		S.	1.0	S.	3.0	SSW.	2.5
NE.	2.0	NNE.	2.5	N.	4.0	N. by E.	4.0	N.	5.0	N.	7.0
NNE.	0.5	NNE.	1.5	Calm.		WSW.	2.5	W.	1.5	NNE.	2.5
NNE.	2.0	NNE.	1.5	Calm.		Calm.		WNW.	1.0	WSW.	1.5
Calm.		Calm.		W.	0.5	Calm.		WSW.	1.5	WSW.	*3.0
NNE.	3.0	NE.	1.0	NNE.	4.0	ENE.	1.0	W.	2.0	WSW.	3.0
Calm.		Calm.		ESE.	1.0	W.	1.5	WNW.	2.0	W.	*2.5
Calm.		Calm.		W.	0.5	W.	1.5	W.	2.0	W.	2.0
Calm.		Calm.		Calm.		W.	3.0	WSW.	2.5	W.	2.0
0.0		0.8		1.1		1.7		2.2		2.3	

7 p.		8 p.		9 p.		10 p.		11 p.		12 p.		Mean.
Calm.		N.	2.0	NNE.	2.5	N.	2.0	N.	3.0	N.	3.0	2.0
NE.	0.5	Calm.		E.	1.0	E.	0.5	Calm.		NNW.	0.5	1.4
ENE.	1.0	Calm.		E.	2.5	E.	0.5	Calm.		Calm.		1.0
ENE.	0.5	NE.	0.5	NNE.	2.5	N.	0.5	N.	1.5	NNE.	2.0	1.2
E.	0.5	E.	1.5	Calm.		N.	1.0	NNE.	2.0	NNE.	1.5	1.3
E.	4.0	ENE.	3.5	ENE.	2.5	Calm.		Calm.		Calm.		*3.6
NE.	0.5	Calm.		Calm.		Calm.		Calm.		Calm.		1.0
NE.	0.5	Calm.		NE.	0.5	NE.	0.5	NE.	1.5	NE.	1.5	1.3
Calm.		N.	1.0	Calm.		Calm.		WNW.	1.5	Calm.		1.4
Calm.		Calm.		Calm.		Calm.		ESE.	1.0	SE.	0.5	1.1
SSE.	1.5	Calm.		Calm.		Calm.		Calm.		Calm.		0.9
NNE.	1.5	Calm.		ESE.	1.5	Calm.		Calm.		Calm.		1.0
Calm.		Calm.		N.	1.5	WNW.	2.0	Calm.		NW.	0.5	0.9
ESE.	1.5	Calm.		SE.	1.5	SE.	1.5	Calm.		NE.	1.0	1.0
Calm.		Calm.		Calm.		W.	1.5	WNW.	1.5	WNW.	1.0	1.2
E. by N.	1.0	Calm.		Calm.		Calm.		ESE.	1.0	ESE.	1.5	1.0
SE.	1.0	ESE.	1.0	SE.	1.0	SE.	1.0	SE.	1.5	SE.	1.5	1.2
SE.	2.5	SE.	3.5	Calm.		SE.	1.0	Calm.		Calm.		1.6
NE.	2.5	NE. by E.	1.0	ENE.	0.5	Calm.		Calm.		NE.	1.0	1.2
NW.	0.5	NW.	2.5	NW.	*6.0	NNW.	3.0	N.	2.0	N. by W.	4.0	1.7
WSW.	2.0	SSW.	2.5	SSW.	1.0	Calm.		Calm.		Calm.		1.5
Calm.		SE. by E.	2.0	Calm.		NNW.	*3.5	N.	3.0	NNE.	1.5	1.1
N.	1.5	Calm.		E.	*4.0	Calm.		N.	1.5	Calm.		1.7
Calm.		Calm.		Calm.		Calm.		Calm.		Calm.		2.5
SE.	2.5	SE.	1.0	Calm.		Calm.		Calm.		Calm.		1.2
SE.	1.0	SE.	0.5	SE.	1.0	Calm.		Calm.		Calm.		1.0
ESE.	0.5	Calm.		Calm.		Calm.		Calm.		Calm.		*0.6
N. by E.	3.0	NNE.	3.5	N. by E.	4.0	NNE.	4.0	NNE.	2.0	Calm.		2.1
WSW.	0.5	S.	0.5	SE.	2.0	Calm.		Calm.		Calm.		0.9
Calm.		SE.	1.0	E.	1.5	Calm.		Calm.		ESE.	2.5	0.8
SE.	4.5	SE.	2.5	SE.	4.0	SE.	1.0	SE.	1.5	SE.	2.0	2.1
1.1		1.0		1.3		0.8		0.8		0.8		1.4

WIND.—FORCE IN KILOMETERS PER HOUR.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	3.5	3.5	7.5	8.0	6.5	7.0	5.5	12.5	10.5	10.0	11.5	9.0
2	*14.0	11.0	13.0	4.0	1.5	6.0	3.5	1.5	8.5	12.5	11.5	7.5
3	6.0	2.0	1.5	3.5	3.0	6.0	4.5	6.0	4.5	2.0	7.0	10.0
4	1.0	0.5	2.5	4.0	4.5	4.0	2.5	4.5	1.0	3.0	5.0	8.5
5	8.5	9.5	10.0	9.5	7.0	4.0	1.0	1.5	3.0	13.0	10.5	7.0
6	3.0	6.0	6.0	3.5	4.0	7.0	6.5	7.5	13.0	26.5	26.0	28.0
7	1.0	2.5	3.0	2.5	4.0	6.0	8.0	3.5	3.0	4.0	5.5	2.5
8	2.5	0.0	0.0	1.5	4.0	5.5	4.0	5.0	6.0	6.0	8.0	9.0
9	5.0	4.0	3.5	6.0	3.0	7.0	8.0	4.0	4.5	6.0	9.0	9.0
10	1.0	1.0	0.5	3.0	5.0	3.5	2.0	2.5	6.5	2.0	5.0	6.0
11	1.5	4.0	*13.5	9.0	5.0	4.5	1.5	5.0	4.0	6.0	5.5	9.5
12	4.0	1.5	2.5	1.5	0.0	5.5	5.5	5.5	2.5	6.5	7.0	7.0
13	2.0	2.5	1.5	2.5	2.0	2.0	3.5	5.0	3.0	6.5	9.0	8.0
14	2.0	1.5	1.5	0.5	1.5	4.0	3.0	3.5	2.5	6.5	8.5	6.0
15	7.0	6.0	7.0	2.5	1.0	4.5	1.0	2.0	3.5	6.0	4.0	8.5
16	4.0	2.0	1.0	1.5	1.0	1.0	1.5	1.0	5.0	10.0	8.0	11.5
17	5.0	3.5	0.5	0.5	2.5	1.0	1.0	0.0	1.5	4.5	8.5	11.5
18	5.5	2.0	2.0	4.0	4.0	3.5	2.0	3.0	3.0	6.5	*14.0	*14.0
19	0.0	1.5	1.0	4.0	1.5	1.0	1.0	0.5	0.5	3.5	5.5	7.5
20	6.0	4.0	5.0	7.5	7.0	4.5	3.0	2.0	1.0	6.0	9.5	9.5
21	*14.5	10.5	13.5	14.0	14.0	13.0	8.0	9.0	7.0	7.0	3.5	11.0
22	0.0	0.0	0.0	0.0	0.0	2.5	0.5	0.0	0.0	2.5	5.5	7.5
23	7.5	11.0	4.5	0.0	0.5	2.0	1.5	1.0	1.0	1.5	2.0	3.0
24	3.5	6.0	0.5	5.0	10.0	6.5	4.0	7.0	12.5	13.0	15.0	20.5
25	1.0	0.0	1.0	1.5	2.5	4.0	2.5	5.0	4.0	1.0	8.0	5.5
26	0.0	0.5	1.0	2.0	0.5	1.0	3.5	5.0	1.0	0.0	1.0	3.0
27	0.0	1.0	2.5	6.0	4.0	6.0	2.0	0.0	2.5	2.0	2.5	5.5
28	0.5	0.5	0.0	0.0	0.5	0.0	4.5	7.0	7.5	9.5	3.5	9.0
29	0.5	1.0	0.5	1.0	5.0	0.5	0.0	0.0	0.0	3.5	*9.0	5.0
30	1.0	0.5	0.0	0.0	1.0	0.0	0.5	0.0	1.5	4.5	5.0	4.5
31	8.0	2.0	2.0	2.5	4.0	0.0	0.5	1.5	1.0	5.0	10.0	13.0
Mean	3.8	3.3	3.5	3.6	3.5	4.0	*3.1	3.6	4.0	6.3	7.9	8.9

AMOUNT OF CLOUDS (0-10).

Day.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	Mean.
1	8	8	7	8	8	10	8	8	8	9	7	7	7	5	4	3	3	6.9
2	10	10	9	9	9	7	6	9	7	9	7	7	9	6	3	2	3	7.3
3	5	3	7	8	8	8	8	8	7	6	7	7	7	5	3	2	2	5.9
4	2	7	9	5	4	9	5	6	6	6	7	8	8	8	8	9	8	6.8
5	8	9	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	*9.8
6	9	10	7	8	8	7	8	8	8	9	9	9	10	10	9	9	9	8.6
7	5	8	7	8	9	9	9	9	8	9	9	8	9	6	4	3	3	7.2
8	4	3	4	3	2	4	4	6	7	6	6	7	7	4	1	1	1	4.1
9	2	3	3	2	3	7	7	8	9	9	10	10	10	10	10	10	9	7.2
10	8	9	8	7	7	6	5	7	7	7	9	9	3	6	4	5	5	6.6
11	6	7	7	9	9	9	9	8	9	9	9	9	9	8	10	10	3	8.2
12	4	4	3	4	6	6	7	7	7	7	4	6	7	7	2	2	3	5.1
13	3	5	6	4	3	4	5	4	9	7	9	9	8	4	2	2	3	5.1
14	3	5	5	4	4	6	9	9	9	7	9	9	9	9	10	9	9	7.4
15	9	8	9	8	8	5	6	9	7	8	7	8	7	7	7	8	10	7.7
16	4	4	4	3	4	7	8	8	8	8	9	9	7	8	8	8	8	6.8
17	8	8	9	9	8	8	8	7	7	7	7	7	6	8	9	9	9	7.9
18	2	4	4	1	1	3	4	6	7	7	8	6	7	9	9	9	9	5.6
19	6	6	7	8	10	9	7	10	7	7	8	9	9	8	9	9	9	8.1
20	9	9	9	5	4	4	8	9	9	7	10	9	9	9	10	10	10	8.2
21	10	10	9	8	6	6	7	6	6	6	6	6	7	5	8	9	9	7.3
22	3	7	8	9	9	7	6	6	6	6	5	4	8	7	8	10	10	7.0
23	8	9	7	6	4	7	6	8	9	9	9	9	9	8	10	7	7	7.8
24	6	5	3	5	3	4	7	4	6	4	4	5	6	5	7	9	10	5.5
25	10	5	6	2	3	5	7	7	8	8	8	8	8	8	8	10	10	7.1
26	9	10	9	9	9	10	10	9	10	9	9	10	9	9	9	10	10	9.4
27	9	8	9	9	8	9	9	10	10	10	9	10	10	10	7	10	9	9.1
28	10	10	10	10	9	9	9	10	8	8	9	9	9	9	10	10	10	9.4
29	7	9	9	9	9	9	8	8	8	9	5	5	5	7	8	5	4	7.3
30	3	4	3	2	2	2	3	7	6	5	6	9	9	8	2	0	0	4.2
31	1	6	7	4	3	3	4	4	4	3	3	4	4	3	3	2	2	*3.5
Mean	6.2	6.9	6.9	6.3	*6.1	6.7	7.0	7.6	7.6	7.4	7.5	*7.9	7.8	7.3	6.8	6.8	6.7	7.0

OBSERVATIONS FOR JANUARY, 1902.

13

WIND.—FORCE IN KILOMETERS PER HOUR.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
11.0	12.0	11.5	*15.0	11.0	5.5	1.0	4.5	6.0	7.0	8.0	12.5	8.3
6.5	8.0	6.0	5.0	3.0	5.5	9.0	7.0	5.0	4.0	1.5	3.5	6.6
11.5	9.0	6.0	9.0	*12.5	10.0	5.5	2.0	2.0	3.0	2.5	0.5	5.4
9.0	8.0	12.0	*12.5	11.5	12.0	6.0	2.5	6.0	4.5	4.5	6.0	5.6
*14.0	8.0	6.5	5.0	2.5	3.0	4.0	2.0	2.5	3.5	5.0	6.0	6.1
*38.0	*38.0	32.0	26.0	18.5	14.0	7.0	7.5	12.0	6.0	1.0	1.0	*14.1
3.5	8.5	14.0	13.0	*18.5	13.0	3.0	2.5	1.5	1.0	0.5	0.5	5.2
8.0	11.5	8.0	*14.0	13.5	9.0	5.5	1.5	5.5	5.0	5.0	7.0	6.0
17.0	*18.0	10.0	15.0	14.5	4.0	2.0	1.5	2.0	2.5	3.5	4.0	6.8
11.0	13.5	12.5	*18.5	11.0	6.0	2.0	2.0	2.0	1.5	2.5	4.0	5.2
*13.5	10.0	10.5	5.5	6.5	3.5	6.5	3.0	5.0	2.0	1.5	1.5	5.8
6.5	7.0	7.0	9.0	*13.5	9.0	7.0	2.0	4.0	2.5	2.5	4.0	5.1
9.0	*10.0	9.0	9.0	6.0	9.0	6.0	1.0	1.0	6.5	4.5	3.0	5.1
6.0	*10.0	5.0	8.0	7.0	6.0	6.5	8.0	5.0	8.0	5.5	5.0	5.0
7.5	6.0	15.0	*17.0	11.0	8.5	5.5	2.0	0.0	2.5	7.5	4.0	5.8
14.5	*15.5	10.0	8.5	5.5	3.0	6.5	4.0	0.0	1.0	5.5	7.0	5.4
13.5	8.0	12.0	*21.0	15.5	10.5	8.5	10.0	6.0	5.0	5.0	5.5	6.7
11.5	10.0	9.5	10.5	9.0	9.0	10.0	9.5	8.5	4.0	5.5	2.0	6.8
11.0	10.0	13.0	*15.0	12.5	14.0	14.0	10.0	3.5	1.0	1.0	4.0	5.7
5.5	5.0	8.0	6.0	3.0	8.0	6.5	7.0	*15.0	13.5	13.0	13.5	7.0
9.5	6.0	4.0	5.0	6.5	6.0	3.5	2.5	1.0	0.0	0.0	0.0	7.0
11.0	7.0	4.5	5.0	7.0	5.0	2.0	4.0	5.5	9.0	*15.0	10.5	4.3
2.5	*15.0	9.0	*15.0	8.5	1.0	3.0	6.5	5.0	9.0	1.5	2.0	4.7
25.0	25.5	*31.0	24.5	26.5	10.0	1.5	0.0	0.0	0.5	0.5	0.5	10.4
8.0	*14.0	9.5	2.0	5.0	5.5	4.0	3.5	0.0	0.0	1.0	0.0	3.7
4.0	11.0	9.0	6.5	*14.0	9.0	7.5	3.5	3.0	1.0	0.5	0.0	3.6
*11.5	7.0	4.5	6.0	10.5	2.5	5.0	0.5	0.5	1.5	2.0	0.0	3.6
12.0	13.0	*14.5	11.5	12.5	13.0	12.5	12.0	13.0	14.0	13.0	3.0	7.8
6.0	8.5	8.0	8.0	7.5	5.5	0.0	1.0	2.5	2.0	1.5	2.5	3.3
9.5	7.0	4.5	6.0	*14.0	1.0	0.0	3.0	6.5	3.5	0.5	4.0	*3.2
11.5	14.5	*25.0	21.0	17.5	14.5	11.0	10.0	11.0	12.0	9.5	8.5	9.0
10.9	*11.4	11.0	*11.4	10.8	7.6	5.5	4.4	4.5	4.4	4.2	4.0	6.1

FREQUENCY OF THE WIND.

Day.	N. NNW.	NW. WNW.	W. WSW.	SW. SSW.	S. SSE.	SE. ESE.	E. ENE.	NE. NNE.	Calm.
1	8	2	2				1	8	3
2	4			1	1		5	8	5
3	1		3				7	4	9
4	2			2		1	3	10	6
5	5						5	7	7
6	1						15	5	3
7	3		1	1				6	13
8			3	1		1	2	13	4
9	2	1	2	2			2	8	7
10	2	2				4	2	3	11
11		3	8		2				11
12			3	1		5	1	5	9
13	1	3	6	2			1	1	10
14		1	3	3		3	1	3	10
15	1	3	2			3	2	5	8
16	1	1	6	1		2	2		11
17		3	1			12			8
18		1	3		1	8	1		10
19			3	1	2		1	7	10
20	4	3	4	1			3	3	6
21	6		5	2				4	7
22	2		3	3		1	3	2	10
23	5		1	1	2		1	8	6
24	6							10	8
25	2		2			3	3	5	9
26		1	2	1	1	6		4	9
27		1	5	3	1	2	1		11
28	2	1	5				1	8	7
29		1	8		1	2		2	10
30			6			3	2		13
31			3	1	1	11			8
Mean	1.9	0.9	2.9	0.9	*0.4	2.2	2.1	4.5	*8.4

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.
1-----	61.50	9.40 a.	28.5	1.50 p.	96.0	23.1	58.70	3.40 p.	21.5	1.10 a.	75.0	18.3
2-----	61.75	9.10 a.	29.7	0.10 p.	*98.0	23.3	58.15	3.30 p.	21.8	7.40 a.	*76.0	20.0
3-----	61.20	8.40 a.	31.1	3.00 p.	97.0	22.3	57.75	3.25 p.	21.7	6.55 a.	58.0	16.8
4-----	60.85	10.15 a.	30.6	1.55 p.	92.0	20.3	58.00	3.15 p.	19.9	7.00 a.	*54.0	16.4
5-----	61.40	9.15 p.	*27.3	0.55 p.	94.0	20.3	58.10	4.00 a.	22.0	11.00 p.	70.0	18.1
6-----	62.55	11.15 p.	27.7	9.50 a.	84.0	17.8	59.80	2.30 a.	21.5	5.10 a.	56.0	*14.5
7-----	62.52	9.00 a.	28.8	1.10 p.	83.0	17.7	59.40	3.30 p.	20.5	5.05 a.	57.0	15.6
8-----	61.85	11.30 p.	30.1	2.20 p.	84.0	18.5	58.75	3.10 p.	20.4	6.50 a.	55.0	16.0
9-----	61.70	0.05 a.	30.3	11.55 a.	86.0	18.4	59.05	2.50 p.	20.0	5.30 a.	58.0	15.2
10-----	61.60	9.20 a.	29.7	0.10 p.	83.0	17.5	58.40	2.45 p.	21.1	6.50 a.	57.0	15.0
11-----	61.95	9.15 a.	*27.3	noon	84.0	17.9	58.80	3.50 p.	19.8	6.30 a.	63.0	15.7
12-----	61.55	9.10 a.	30.2	1.00 p.	88.0	18.8	58.05	3.05 p.	19.3	7.30 a.	57.5	16.0
13-----	60.95	9.50 a.	29.0	3.00 p.	94.0	20.2	57.99	3.00 p.	*19.2	6.30 a.	61.0	16.6
14-----	60.80	8.25 p.	29.1	11.00 a.	83.0	18.9	57.50	2.40 p.	20.9	4.05 a.	59.0	15.7
15-----	60.95	8.35 a.	29.7	1.55 p.	84.0	18.2	58.05	3.00 p.	20.8	5.05 a.	57.0	15.7
16-----	61.00	9.15 a.	29.1	3.00 p.	95.0	21.1	58.15	2.55 p.	20.2	7.40 a.	67.0	17.7
17-----	60.95	8.45 a.	30.0	2.10 p.	97.0	21.3	57.55	3.05 p.	21.8	5.35 a.	68.0	19.1
18-----	60.35	10.00 p.	31.4	2.55 p.	95.0	20.9	57.11	3.00 p.	19.9	7.05 a.	62.0	17.7
19-----	60.25	9.45 a.	29.6	2.35 p.	92.0	20.5	57.30	3.35 p.	21.4	7.50 a.	60.0	17.7
20-----	59.30	0.05 a.	29.4	2.50 p.	92.0	23.0	56.00	2.45 p.	22.1	6.10 a.	69.0	18.0
21-----	*58.95	8.35 a.	30.2	3.15 p.	*98.0	*23.4	*55.25	3.20 p.	21.5	5.10 a.	71.0	20.2
22-----	60.05	10.35 p.	31.6	2.45 p.	96.0	23.3	56.05	3.30 p.	*22.5	6.50 a.	66.0	*20.3
23-----	61.60	10.05 p.	30.1	1.00 p.	95.0	21.2	58.50	2.25 p.	22.1	6.40 a.	61.0	16.3
24-----	63.15	10.35 p.	29.4	1.10 p.	*82.0	*17.4	59.70	3.00 p.	21.7	6.50 a.	57.0	16.0
25-----	*63.30	9.30 a.	29.8	noon	86.0	19.2	*60.63	3.00 p.	20.7	6.05 a.	61.5	16.7
26-----	62.40	9.25 a.	29.1	3.40 p.	83.0	18.1	59.25	3.20 p.	21.2	5.55 a.	64.0	16.4
27-----	60.95	0.05 a.	27.9	2.20 p.	84.0	18.7	58.10	3.20 p.	21.5	7.00 a.	67.0	16.6
28-----	60.55	8.05 a.	29.1	2.50 p.	91.0	20.5	57.05	3.40 p.	21.5	7.40 a.	66.0	18.0
29-----	60.80	10.15 p.	29.1	2.55 p.	94.0	22.6	58.00	3.10 p.	21.5	7.00 a.	74.0	18.4
30-----	62.05	9.05 a.	*32.1	3.00 p.	95.0	22.5	58.50	2.55 p.	21.1	6.40 a.	63.0	18.8
31-----	61.85	9.30 a.	31.7	2.15 p.	96.0	21.1	58.30	3.50 p.	21.1	5.50 a.	55.0	17.9
Mean	61.31		29.6		90.4	20.3	58.13		21.0		62.7	17.1

GENERAL REMARKS.

Day.	Remarks.	Day.	Remarks.
1----	Lunar corona in the early morning; rain in the afternoon.	15----	Lunar corona at night.
2----	Lunar corona in the early morning; drizzle and passing rain in the morning.	16----	Clouds colored at sunrise and sunset.
3----	Clouds colored at sunset.	17----	Bands of cirrus from SE. by S. to NW. by N. at night.
4----	Bands of cirrus from SE. to NW. the whole afternoon.	19----	Clouds colored at sunrise and sunset.
5----	Drizzle in the afternoon and at night.	20----	Light drizzle; lightning to the NW. in the evening.
6----	Rain in the first quadrant; gusty wind from E. at noon.	21----	Dark and covered horizons in the morning.
7----	Lunar corona in the early morning; high clouds colored at sunset.	22----	Clouds colored at sunrise and sunset.
8----	Convergence of confused cirrus to southward in the morning; air transparent in the afternoon.	23----	Drizzle and light rain.
11----	Passing drizzle at 2 ^h p. m.	24----	Air transparent; drizzle and light rain at night.
12----	Cirro-stratus convergent to SE.; air transparent in the afternoon.	25----	Convergence of cirro-stratus, it seems, to SE. in the evening.
13----	The E. part covered with cirrus.	26----	Close horizon.
14----	Drizzle at 8 ^h 30 ^m p. m.	27----	Drizzle in the morning.
		28----	Thin rain at different hours.
		29----	Close the easterly part; clouds colored at sunset.
		30----	Cirrus to the S. by SW. at 6 ^h 15 ^m a. m.; thunderstorm to northward at 4 ^h 24 ^m p. m.
		31----	Convergence of cirrus to the S. by E. in the morning; air transparent in the afternoon.

GENERAL APPEARANCE OF THE SKY.

	Clear.	Cloudy.	Variable.
Early morning -----	2	15	14
Morning -----	0	15	16
Afternoon -----	0	21	10
Evening -----	8	20	13

Day.	Total wind velocity (kil. p. h.).	Atmidometer.	Rainfall.	Ozone.		Sunshine.	Bay.	Underground temperature. 8 a. m.			Meteors.
				6 a.	6 p.			25 cm.	50 cm.	1 m.	
1	200.0	mm. 4.8	mm. 3.5	3.0	3.0	3-30	S	25.8	27.0	*27.7	(°) D°
2	158.5	*2.4	2.2	0.5	3.5	4-00	S	26.0	27.0	27.4	(°) D°
3	129.5	5.0		2.0	1.5	8-45	S	26.5	27.3	*27.7	(°) D°
4	135.5	6.0		0.5	2.5	5-45	S	26.0	27.2	27.5	(°) D°
5	146.5	4.7	1.1	2.0	3.0	0-00	S	26.4	27.3	27.6	(°) D°
6	*338.0	7.8		5.5	4.5	5-40	T	25.9	27.2	27.5	(°) D°
7	125.0	7.0		2.0	2.5	2-50	S	25.0	27.0	27.4	(°) D°
8	145.0	7.1		2.0	2.5	7-15	S	25.0	27.0	27.6	(°) D°
9	163.0	7.2		3.0	2.5	5-05	S	24.9	27.0	27.4	(°) D°
10	124.5	6.7		3.0	3.5	3-00	S	25.0	26.8	27.3	(°) D°
11	138.0	5.9		3.0	3.5	0-45	S	*24.7	26.7	27.2	(°) D°
12	123.0	5.5		3.0	3.0	6-30	S	*24.7	26.5	27.3	(°) D°
13	121.5	4.9		3.5	4.0	5-45	S	24.9	26.6	27.3	(°) D°
14	121.0	5.9	0.2	1.0	2.0	5-00	S	24.8	26.7	27.2	(°) D°
15	139.5	6.6		3.0	3.0	1-40	S	24.8	*26.4	27.3	(°) D°
16	128.5	5.8		4.0	2.5	7-25	S	25.0	26.6	*27.1	(°) D°
17	160.5	4.6		3.0	2.5	3-05	S	25.8	26.7	*27.1	(°) D°
18	162.5	5.3		3.5	3.0	6-35	S	25.8	26.9	*27.1	(°) D°
19	136.5	5.5		2.0	2.0	2-45	S	25.8	26.9	*27.1	(°) D°
20	169.0	4.4	*14.9	1.5	3.0	3-10	S	26.0	27.0	27.4	(°) D°
21	169.0	4.3	0.9	2.0	2.5	7-55	S	26.1	27.1	27.2	(°) D°
22	104.0	3.7		1.0	2.5	7-05	S	26.7	27.2	27.4	(°) D°
23	113.5	4.7	3.4	0.5	2.0	4-30	S	*27.1	27.6	27.3	(°) D°
24	249.0	*8.3	0.7	4.0	3.5	8-05	T	26.2	*27.7	27.6	(°) D°
25	88.5	6.1		3.0	2.5	5-05	S	26.1	27.6	27.6	(°) D°
26	87.5	5.6		3.5	3.5	1-00	S	25.6	27.2	27.5	(°) D°
27	85.5	5.0		3.5	3.0	0-45	S	25.7	27.1	27.5	(°) D°
28	186.5	4.9		3.5	2.5	3-15	T	25.7	27.0	27.4	(°) D°
29	79.0	5.1	0.3	3.5	2.5	4-20	S	26.4	27.2	27.6	(°) D°
30	*78.0	4.6		3.0	2.0	8-30	S	26.5	27.4	27.5	(°) D°
31	215.5	5.3		0.5	1.5	*9-50	S	26.3	27.5	27.6	(°) D°
Total	4,521.5	170.7	27.2			148-50					
Mean	145.9	5.5	0.9	2.5	2.8	4-48		25.7	27.0	27.4	

ATMOSPHERIC PRESSURE, 700mm +.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	59.65	59.15	59.15	59.50	60.08	60.44	61.01	61.54	*61.96	61.78	61.40	60.67
2-----	60.30	60.10	59.90	59.85	60.29	61.05	62.06	62.43	*62.45	62.39	61.84	61.03
3-----	61.55	61.50	*61.35	61.50	61.80	62.52	63.21	63.78	64.17	64.07	63.73	62.97
4-----	63.95	63.30	63.15	63.05	63.59	63.99	64.49	64.89	*65.35	65.10	64.52	63.86
5-----	64.10	63.65	63.15	63.20	63.49	63.81	64.35	64.65	*65.19	65.07	64.72	64.19
6-----	64.05	63.75	63.70	63.95	64.09	64.35	64.93	65.40	*65.90	65.89	65.45	64.60
7-----	64.10	63.85	63.45	63.55	63.70	64.06	64.45	64.79	*65.07	65.00	64.48	64.03
8-----	63.10	62.75	62.55	62.60	62.94	63.36	63.73	64.13	64.43	*64.51	64.08	63.29
9-----	63.45	62.95	62.75	62.85	62.99	63.44	63.79	64.22	*64.67	64.62	64.10	63.49
10-----	63.70	63.45	63.20	63.30	63.41	63.79	64.52	64.97	*65.50	65.39	64.98	63.98
11-----	64.70	64.50	64.25	64.20	64.46	64.67	65.22	65.52	*65.87	65.80	65.21	64.63
12-----	64.80	64.45	64.20	64.05	64.31	64.44	64.82	65.16	*65.45	65.36	64.79	64.18
13-----	64.15	63.75	63.60	63.60	63.78	64.06	64.66	64.90	64.92	64.74	64.35	63.44
14-----	64.65	64.30	63.95	63.95	64.02	64.47	64.81	65.24	65.64	65.72	65.34	64.68
15-----	65.65	65.50	65.20	65.15	65.34	65.83	66.19	66.35	*66.72	66.44	65.94	65.44
16-----	65.75	65.35	65.10	65.30	65.48	65.98	66.22	66.58	*66.72	66.58	65.83	65.21
17-----	65.05	64.90	64.45	64.50	64.97	65.45	65.63	66.10	*66.23	66.15	65.54	64.71
18-----	64.05	63.80	63.45	63.10	63.25	63.83	64.21	64.55	64.81	*65.15	64.75	63.85
19-----	63.25	62.95	62.65	62.60	63.16	63.82	64.16	64.37	*64.84	64.71	64.19	63.59
20-----	63.50	63.30	63.00	62.95	63.07	63.62	64.02	64.33	*64.47	64.40	63.88	63.10
21-----	63.30	62.95	63.00	63.25	63.62	64.07	64.51	64.83	64.96	64.86	64.66	64.03
22-----	64.70	64.40	64.35	64.50	64.65	65.17	65.76	65.92	66.07	65.84	65.53	65.05
23-----	66.70	66.35	66.00	65.80	65.61	66.29	66.74	67.10	*67.20	66.93	66.25	65.46
24-----	64.65	64.35	64.10	64.20	64.18	64.60	64.66	*64.87	64.72	64.47	63.86	63.35
25-----	62.80	62.50	62.40	62.30	62.51	62.69	63.25	63.55	*63.61	63.47	63.01	62.14
26-----	62.25	61.95	61.65	61.65	61.80	62.37	62.80	63.31	*63.50	63.35	62.60	61.86
27-----	62.25	61.80	61.45	61.40	61.46	61.99	62.31	62.42	*62.65	62.62	62.21	61.51
28-----	61.05	60.80	60.50	60.50	60.54	60.80	61.16	*61.67	61.65	61.54	61.18	60.48
Mean	63.61	63.30	63.06	63.08	63.31	63.75	64.20	64.56	*64.81	64.71	64.23	63.53

TEMPERATURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	23.4	23.1	22.1	21.7	*21.0	*21.0	21.2	24.0	26.7	28.1	28.1	28.3
2-----	25.2	25.0	24.8	24.1	23.2	*22.7	22.9	24.6	27.0	28.0	28.8	28.6
3-----	25.2	24.4	23.8	23.3	22.8	*22.3	22.7	24.5	27.1	29.6	29.6	30.2
4-----	25.0	24.7	24.2	23.8	*23.2	23.4	23.3	24.2	27.1	27.7	28.9	29.8
5-----	24.1	24.0	23.8	23.6	23.4	23.3	23.0	23.7	25.8	26.7	26.8	27.6
6-----	21.9	21.9	21.6	21.2	20.3	20.1	*19.9	20.7	24.9	25.5	26.0	27.6
7-----	22.7	22.6	22.4	22.2	21.7	21.7	*21.6	23.3	25.2	26.7	26.7	25.6
8-----	23.3	23.1	23.1	23.1	23.2	23.1	23.2	23.6	24.9	25.5	25.8	26.8
9-----	21.3	21.4	21.1	20.7	*20.6	*20.6	21.6	22.9	24.0	26.1	26.6	26.2
10-----	21.9	21.9	21.9	22.0	22.1	21.5	*20.9	22.9	23.8	25.6	27.7	28.7
11-----	22.3	21.2	20.4	20.0	19.2	19.0	*18.6	22.9	25.4	25.8	26.9	*27.6
12-----	23.5	23.5	23.2	22.9	*22.8	22.9	23.3	23.4	25.0	26.1	26.0	26.5
13-----	22.5	22.5	22.5	22.4	22.1	*21.6	21.7	23.9	24.7	*27.2	25.8	27.1
14-----	22.5	22.5	22.4	22.4	22.3	*22.2	*22.2	23.3	24.3	25.2	25.7	25.9
15-----	23.1	22.7	22.7	22.4	22.1	22.1	22.2	23.2	24.8	24.8	25.7	25.7
16-----	21.1	20.0	19.9	19.0	17.8	*17.3	17.9	19.6	22.2	24.4	25.9	25.1
17-----	21.1	20.7	20.5	20.2	18.9	18.6	*18.4	20.4	23.2	25.6	27.8	27.8
18-----	21.3	21.4	21.1	20.8	19.8	*18.8	*18.8	20.8	23.9	26.6	26.2	27.6
19-----	21.1	20.5	19.9	19.3	*18.3	18.4	18.9	21.6	24.8	25.6	25.5	26.1
20-----	20.8	20.6	20.4	19.5	18.6	*17.3	17.6	20.9	23.7	25.2	26.0	27.2
21-----	20.9	20.8	20.1	18.8	*17.8	18.2	20.1	22.3	24.5	25.3	25.2	27.1
22-----	21.2	21.2	21.1	20.9	20.0	*19.3	19.8	20.6	23.4	26.5	26.1	24.4
23-----	20.6	19.5	19.0	18.9	18.9	18.3	*18.1	20.6	23.7	25.5	26.2	26.2
24-----	20.8	20.3	19.5	18.9	*18.8	18.9	19.3	20.7	23.4	24.4	24.9	25.9
25-----	20.9	20.7	20.6	20.5	20.0	*19.5	20.4	22.8	24.1	24.4	25.6	25.5
26-----	21.2	21.0	20.9	20.8	20.6	*20.4	20.7	21.6	23.1	25.7	26.6	26.0
27-----	20.9	20.8	20.1	19.1	18.8	*17.2	18.3	22.2	23.1	24.8	25.2	25.7
28-----	24.2	23.6	23.3	23.1	23.0	*22.6	22.7	23.7	25.8	27.0	27.2	27.6
Mean	22.3	22.0	21.7	21.3	20.8	*20.4	20.7	22.5	24.6	26.1	26.6	26.9

OBSERVATIONS FOR FEBRUARY, 1902.

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ATMOSPHERIC PRESSURE, 700mm +.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
59.88	58.97	58.37	*58.19	58.33	58.56	59.22	59.78	60.22	60.55	60.55	60.50	*59.98
60.18	59.47	58.99	*58.94	59.14	59.66	60.16	60.98	61.51	62.10	62.10	62.00	60.79
62.26	61.52	61.38	61.46	62.02	62.58	63.32	63.85	64.32	*64.50	*64.50	64.35	62.84
62.83	62.14	*61.92	*61.92	62.25	62.75	63.35	63.79	64.37	64.60	64.60	64.40	63.67
63.42	62.82	*62.55	62.57	62.67	63.24	63.75	64.31	64.48	64.65	64.65	64.50	63.88
63.86	63.02	62.74	*62.63	62.83	63.13	63.53	63.91	64.21	64.40	64.40	64.35	64.13
63.35	62.82	62.45	*62.27	62.38	62.46	62.78	63.33	63.56	63.60	63.65	63.55	63.61
62.48	61.97	61.77	*61.60	62.03	62.30	62.85	63.37	63.52	63.65	63.65	63.60	63.09
62.94	62.44	62.13	*62.06	62.33	62.81	63.36	63.66	64.00	64.05	64.20	64.05	63.39
63.27	62.88	*62.57	62.62	63.05	63.71	64.25	64.84	65.00	65.05	65.05	65.05	64.06
64.06	63.46	*63.37	63.57	63.83	64.26	64.85	65.35	65.74	65.85	65.70	65.40	64.77
63.44	62.59	*62.40	62.44	62.80	63.18	63.74	64.20	64.61	64.35	64.15	64.15	64.09
63.08	*62.34	62.41	62.74	63.26	63.56	64.30	64.79	65.14	65.15	*65.20	65.00	64.04
64.05	63.59	*63.30	63.41	63.93	64.34	65.14	65.77	66.07	*66.35	66.30	66.00	64.79
64.56	64.18	*64.10	64.19	64.76	65.21	65.85	66.24	66.63	66.65	66.50	66.20	*65.62
64.43	63.45	*63.29	63.45	63.90	64.52	64.80	65.20	65.51	65.60	65.60	65.25	65.21
64.05	63.34	62.63	*62.60	63.12	63.50	64.06	64.51	64.94	64.90	64.60	64.50	64.60
63.23	62.40	*61.90	62.05	62.33	62.96	63.26	63.88	64.25	64.35	64.10	63.60	63.63
62.76	62.14	61.84	*61.75	61.88	62.28	62.75	63.24	63.53	63.80	63.75	63.70	63.24
62.09	61.37	60.93	*60.89	61.24	61.95	62.40	62.92	63.15	63.45	63.50	63.50	62.96
63.26	62.68	*62.41	62.63	63.25	63.75	64.24	64.56	64.76	64.95	*65.05	65.00	63.94
64.25	63.91	*63.73	64.19	64.83	65.22	65.62	66.33	66.59	66.75	*66.95	66.90	65.30
64.54	63.93	*63.63	63.64	63.91	64.34	64.74	65.02	65.26	65.15	65.15	65.05	65.45
62.65	62.01	61.46	*61.40	61.80	62.19	62.50	62.74	63.07	63.15	63.10	62.85	63.37
61.25	60.75	*60.37	60.40	60.72	61.16	61.46	61.77	62.07	62.55	62.60	62.60	62.16
61.23	60.56	60.20	*60.19	60.49	60.99	61.40	61.89	62.20	62.45	62.80	62.45	61.91
60.54	59.77	*59.52	59.62	59.85	60.14	60.65	61.07	61.41	61.70	61.65	61.50	61.31
59.78	59.29	58.99	*58.90	59.05	59.23	59.38	59.70	59.94	59.95	60.05	60.00	60.26
62.78	62.14	*61.83	61.87	62.21	62.64	63.13	63.61	63.93	64.08	64.08	63.93	63.43

TEMPERATURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
29.8	30.4	*31.1	29.9	29.4	28.9	27.9	27.4	27.1	26.8	26.3	25.8	26.2
29.4	30.1	30.3	*30.8	29.5	28.4	27.1	26.1	25.6	25.5	25.6	25.6	*26.6
30.2	*31.6	30.2	29.0	28.3	27.4	26.2	26.1	25.2	25.2	25.2	25.0	26.5
*30.6	30.2	30.4	29.3	27.3	26.1	25.1	24.6	24.4	24.2	24.1	24.1	26.1
27.7	*28.3	27.2	27.4	26.7	25.5	24.3	23.3	23.0	22.7	22.4	*22.2	24.9
27.7	27.3	27.3	*28.6	27.3	25.7	24.6	24.3	24.0	23.8	23.5	23.4	24.1
26.7	26.7	*27.2	26.8	26.5	25.2	24.2	23.9	23.8	23.7	23.6	23.5	24.3
26.9	*27.2	26.9	26.4	25.7	24.4	23.4	22.9	22.2	21.9	21.6	*21.4	24.2
26.8	26.4	*27.2	26.5	25.9	24.6	23.2	22.6	22.4	22.2	22.1	22.0	23.5
*29.2	28.2	28.7	28.3	26.3	25.3	23.9	23.3	23.2	22.8	22.6	22.4	24.4
27.1	26.7	27.2	27.1	26.6	25.9	25.2	24.9	24.6	24.4	23.9	23.7	24.0
27.2	27.5	*27.6	26.0	26.1	25.9	24.9	24.4	24.0	23.8	23.4	22.9	24.7
25.1	25.1	25.8	24.1	24.3	23.9	23.1	22.9	22.9	22.9	22.6	22.6	23.7
26.1	26.5	*26.6	25.9	25.2	24.9	23.8	23.5	23.6	23.6	23.7	23.4	24.1
*26.7	26.5	25.7	25.6	24.8	23.8	22.3	21.7	*21.1	*21.1	21.2	21.2	23.5
*27.5	27.2	27.4	27.0	26.3	24.4	22.8	21.6	21.5	21.4	21.4	21.4	22.5
27.7	27.9	27.8	*28.2	25.6	24.3	23.7	22.3	22.1	21.8	21.6	21.2	23.2
27.8	*29.6	28.4	27.7	26.7	24.9	23.9	22.7	22.3	21.7	21.3	21.0	23.5
28.0	27.3	27.9	27.2	*28.4	26.1	24.0	23.3	22.7	21.9	21.4	20.9	23.3
27.2	28.2	*28.8	28.7	27.1	25.4	23.4	21.7	21.5	21.2	21.1	21.1	23.0
27.6	27.3	*27.9	27.1	25.5	24.3	23.1	21.8	21.5	21.1	21.1	21.1	22.9
27.2	27.2	*27.3	24.7	23.9	23.3	22.8	22.3	21.8	21.7	21.4	21.1	22.9
27.2	*27.4	26.8	26.7	25.3	23.9	22.4	21.1	21.2	21.0	20.9	20.9	22.5
26.0	25.5	*26.2	25.8	24.4	23.4	22.7	21.9	21.7	21.4	21.1	21.0	*22.4
26.3	25.2	26.8	*27.8	26.5	24.7	23.2	22.7	22.4	22.1	21.8	21.4	23.2
25.9	27.2	27.2	27.7	*28.4	25.4	22.9	22.2	22.2	21.9	21.6	21.1	23.4
*28.2	*28.2	27.9	27.6	27.2	26.4	26.1	25.7	25.2	24.4	24.4	24.2	23.9
27.9	27.3	*28.6	27.2	27.6	27.2	26.1	24.9	24.3	23.7	23.4	23.2	25.2
27.6	27.6	*27.8	27.3	26.5	25.3	24.2	23.4	23.1	22.9	22.7	22.5	24.0

RELATIVE HUMIDITY.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	88.0	84.0	88.0	86.0	90.0	90.0	*91.0	86.0	77.0	71.0	74.0	74.5
2-----	90.0	90.0	91.0	91.0	92.0	*96.0	94.0	74.0	79.0	74.0	72.0	73.0
3-----	78.0	82.0	86.0	90.0	*94.0	*94.0	92.0	81.0	70.0	65.0	66.5	65.0
4-----	74.0	75.0	78.0	79.0	*82.0	77.0	80.0	78.0	68.0	67.0	61.0	58.0
5-----	78.0	77.5	78.0	80.0	80.0	77.0	*83.5	76.5	69.0	67.0	70.0	67.0
6-----	84.0	83.0	86.0	85.0	91.0	92.0	*93.0	91.0	72.5	77.5	69.0	64.0
7-----	82.5	83.0	85.0	86.0	*89.0	88.0	87.0	82.0	76.0	70.0	69.0	76.0
8-----	81.0	82.0	82.0	80.0	79.0	79.0	80.0	79.0	72.5	68.5	68.0	64.5
9-----	84.0	83.0	84.0	88.0	*89.0	88.0	86.0	79.0	73.0	65.0	*62.0	65.5
10-----	81.0	81.0	82.0	81.0	81.0	*85.5	85.0	76.0	75.0	67.0	60.0	58.0
11-----	71.0	77.5	83.0	86.0	92.0	*93.0	92.0	77.0	70.0	71.0	66.0	65.0
12-----	77.0	77.0	80.0	80.0	81.0	79.0	76.0	75.5	69.0	66.0	66.0	66.5
13-----	89.0	89.0	89.0	90.0	91.0	*93.0	*93.0	81.0	79.0	*68.0	74.0	*68.0
14-----	78.0	80.0	81.5	82.0	*84.0	*84.0	82.0	78.0	78.0	70.0	71.0	69.0
15-----	72.0	75.0	73.0	75.0	72.0	*76.0	72.0	64.0	65.0	64.0	56.0	57.0
16-----	69.0	76.0	76.0	82.0	89.0	*90.0	89.0	85.0	77.0	63.0	60.0	65.0
17-----	74.0	77.0	79.0	80.5	89.0	*90.0	89.0	79.0	71.0	63.5	59.0	57.0
18-----	78.0	75.0	77.0	77.0	83.0	*86.0	84.0	78.0	67.0	59.0	61.0	58.0
19-----	77.0	80.0	81.0	84.0	90.0	*92.0	89.0	78.0	63.0	60.0	61.0	62.0
20-----	75.0	75.5	75.0	77.0	81.5	*93.0	91.0	80.0	71.0	58.0	59.0	57.0
21-----	68.0	68.0	72.0	81.0	*88.0	84.0	75.0	69.0	57.0	53.0	55.0	*46.0
22-----	65.0	65.0	66.0	67.0	74.0	*80.0	79.0	79.0	64.5	48.0	58.0	67.0
23-----	73.0	77.0	*78.0	77.0	74.0	77.0	76.0	69.0	59.0	53.0	48.0	50.0
24-----	67.0	70.0	77.0	84.5	87.0	*88.0	84.0	79.0	66.0	65.0	63.0	61.5
25-----	83.0	84.0	85.0	86.0	*90.0	88.5	83.0	70.0	68.0	68.0	63.5	64.0
26-----	77.5	80.0	82.0	82.5	84.0	*86.0	*86.0	85.0	77.0	67.0	64.0	68.0
27-----	76.0	76.0	78.0	82.0	84.0	*90.0	85.0	72.0	70.0	61.0	59.0	59.0
28-----	87.0	*90.0	*90.0	*90.0	88.0	89.0	88.0	83.0	75.0	75.0	75.0	*71.0
Mean	77.8	79.0	80.8	82.5	85.3	*86.6	85.2	78.0	70.7	65.2	63.9	63.4

VAPOR PRESSURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	18.8	17.7	17.3	*16.5	16.6	16.6	17.0	19.0	20.1	20.1	20.8	21.3
2-----	21.4	21.2	21.1	20.2	19.5	19.6	19.5	*17.0	20.9	20.9	21.2	21.3
3-----	18.6	18.7	18.9	19.1	19.3	18.8	18.9	18.5	18.6	20.1	20.5	20.7
4-----	17.5	17.3	17.4	17.3	17.3	16.5	17.1	17.4	18.0	*18.4	18.0	18.0
5-----	17.3	17.2	17.1	17.3	17.2	16.4	17.4	16.7	17.0	17.3	18.3	18.4
6-----	16.4	16.2	16.4	16.0	16.2	16.2	16.1	16.5	17.0	*18.8	17.4	17.7
7-----	16.9	17.0	17.1	17.1	17.2	17.0	16.6	17.4	18.1	18.2	18.0	18.5
8-----	17.2	17.2	17.2	16.9	16.6	16.5	16.8	17.1	17.0	16.6	16.8	16.9
9-----	15.8	15.7	15.7	16.0	16.0	15.9	16.4	16.3	16.2	16.4	16.1	16.5
10-----	15.9	15.9	16.1	16.0	15.9	16.3	15.7	15.8	16.4	16.4	16.7	17.0
11-----	*14.2	14.5	14.8	14.9	15.3	15.2	14.7	16.0	16.9	17.5	17.4	17.9
12-----	16.6	16.6	16.8	16.6	16.7	16.5	*16.2	*16.2	*16.2	16.6	16.5	17.1
13-----	18.1	18.1	18.1	18.2	18.0	17.7	17.9	17.8	18.4	18.3	18.2	18.0
14-----	15.9	16.2	16.4	16.6	16.8	16.7	16.4	16.6	*17.5	16.6	17.4	17.3
15-----	15.2	*15.4	14.9	15.1	14.3	14.9	14.4	13.5	15.1	15.0	13.7	13.9
16-----	12.8	13.2	13.1	13.4	13.5	13.2	13.6	14.4	*15.4	14.4	14.8	15.3
17-----	*13.8	14.0	14.1	14.2	14.5	14.4	14.0	14.1	14.9	15.5	*16.5	15.9
18-----	14.6	14.2	14.3	14.1	14.3	13.9	*13.6	14.3	14.8	15.2	15.5	16.0
19-----	14.3	14.3	14.0	13.9	14.1	14.5	14.5	14.9	14.6	14.6	14.7	15.7
20-----	13.6	13.6	13.4	13.0	13.0	13.6	13.6	14.7	15.5	13.9	14.7	15.4
21-----	12.5	12.4	12.5	13.0	13.3	13.1	13.1	13.8	13.0	12.7	13.0	12.4
22-----	*12.2	*12.2	*12.2	12.3	12.9	13.3	13.6	14.2	13.8	12.4	14.7	*15.2
23-----	*13.1	*13.1	12.8	12.5	12.1	12.0	11.7	12.5	12.8	12.9	12.1	12.6
24-----	*12.2	12.4	13.0	13.7	14.1	14.3	13.9	14.3	14.1	14.7	14.7	15.3
25-----	15.2	15.3	15.4	15.4	15.6	14.9	14.8	14.5	15.2	15.5	15.5	15.6
26-----	14.5	14.8	15.0	15.1	15.2	15.3	15.6	16.2	16.2	16.3	16.5	17.0
27-----	13.9	14.0	13.6	13.4	13.6	*13.1	13.3	14.4	14.7	14.3	14.0	14.4
28-----	19.6	19.4	19.0	18.8	18.3	18.2	*18.0	18.1	18.6	20.0	20.0	19.6
Mean	15.6	15.6	15.6	15.6	15.6	*15.5	*15.5	15.8	16.3	16.4	16.6	16.8

OBSERVATIONS FOR FEBRUARY, 1902.

19

RELATIVE HUMIDITY.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
65.0	66.0	*62.0	66.0	72.0	77.0	82.0	87.0	83.0	82.0	84.0	88.0	79.7
71.0	66.0	*65.0	*65.0	66.0	70.0	76.0	79.0	75.0	75.0	75.0	76.0	78.1
66.0	*59.0	66.0	68.0	65.0	68.0	73.0	73.0	76.5	77.0	76.5	76.0	75.3
55.0	*54.0	56.0	60.5	60.0	66.0	70.0	71.5	74.5	77.0	78.0	78.0	69.9
68.5	*64.0	67.0	67.0	69.0	69.0	73.0	75.0	75.0	78.0	80.0	81.0	73.8
63.0	65.5	66.0	*60.0	62.0	66.0	68.0	71.0	75.0	76.0	77.0	78.0	75.6
72.0	74.0	71.0	69.0	72.0	*68.0	76.0	79.0	79.0	80.0	80.5	80.0	78.1
62.5	63.0	67.0	*59.0	61.0	66.0	71.0	73.0	77.0	80.0	81.0	*83.0	73.3
*62.0	66.0	63.0	63.5	63.0	66.0	68.0	73.0	77.0	79.0	80.0	81.0	74.5
57.0	58.0	59.0	59.0	*56.5	60.0	65.0	67.0	64.0	68.0	68.5	70.0	69.4
68.0	69.0	70.0	67.0	66.0	*63.0	73.5	75.0	76.0	78.0	76.0	76.0	75.0
*65.0	66.0	71.0	74.0	76.0	79.0	78.0	82.0	84.0	84.0	85.0	*88.0	76.0
78.0	78.0	77.0	87.0	86.0	86.0	79.5	70.0	70.0	70.0	73.0	74.0	80.5
66.0	67.0	*57.5	59.0	60.0	62.0	76.0	73.0	73.0	72.0	69.0	72.0	72.7
54.0	*52.0	56.0	57.0	59.0	60.0	64.0	66.0	71.0	71.0	69.0	69.0	65.4
52.5	51.0	49.0	*47.5	52.0	61.0	65.0	71.0	72.0	72.0	72.0	72.0	69.1
56.0	57.0	57.0	*55.0	61.0	62.0	65.0	71.0	74.0	74.5	75.0	77.5	70.5
57.0	*54.0	56.5	60.0	57.0	63.0	66.0	71.0	74.0	74.0	76.0	77.0	69.5
56.0	58.0	56.0	59.0	*53.0	54.0	61.0	59.0	64.0	65.5	69.0	73.0	68.5
59.0	57.0	57.0	51.0	*48.0	*48.0	55.0	62.0	67.0	70.0	69.0	67.0	66.8
51.0	53.5	52.0	48.0	50.0	51.0	55.0	60.0	62.0	65.0	65.0	65.0	62.2
*46.0	48.0	48.0	66.0	68.0	66.0	72.0	75.0	78.0	75.0	73.0	72.0	66.6
45.0	45.0	*43.5	44.0	49.0	55.5	60.5	66.0	65.0	66.0	67.0	67.0	*61.9
62.0	66.0	*61.0	*61.0	64.0	66.0	69.0	71.0	78.0	80.0	83.0	83.0	72.3
63.0	70.0	65.0	*57.0	61.0	60.0	64.0	65.0	67.0	70.0	72.0	75.0	71.8
69.0	62.0	63.0	59.0	60.0	*54.0	65.0	67.0	67.0	70.0	72.0	76.0	71.8
*57.0	58.0	63.0	67.0	70.0	70.0	82.0	77.0	81.0	83.0	89.0	*90.0	74.1
*71.0	77.0	*71.0	76.0	78.0	82.0	78.0	78.0	82.0	85.0	87.0	*90.0	*81.5
*61.3	61.6	*61.3	61.8	63.0	64.9	69.7	71.7	73.6	74.9	75.8	76.9	72.3

VAPOR PRESSURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
20.2	21.4	20.7	20.7	22.1	22.8	23.0	*23.5	22.0	21.4	21.3	21.6	*20.1
*21.6	21.0	20.8	21.3	20.4	20.3	20.3	19.9	18.2	18.2	18.4	18.5	*20.1
*21.1	20.5	*21.1	20.3	18.6	18.6	18.5	18.4	18.2	18.4	18.2	*17.8	19.2
18.1	17.2	18.0	18.3	*16.2	16.6	16.7	16.4	16.9	17.2	17.3	17.3	17.4
*18.9	18.4	17.9	18.2	17.9	16.8	16.5	16.1	*15.7	15.9	16.1	16.2	17.2
17.5	17.7	17.9	17.4	16.8	16.1	*15.8	15.9	16.7	16.6	16.6	16.7	16.8
18.8	*19.2	19.1	18.0	18.5	*16.3	17.0	17.4	17.3	17.4	17.4	17.3	17.6
16.4	17.0	*17.5	15.2	*14.9	15.0	15.2	15.1	15.4	15.6	15.6	15.7	16.3
16.2	*17.0	*17.0	16.3	15.6	15.3	*14.4	14.8	15.4	15.7	15.8	15.8	15.9
17.1	16.4	*17.2	16.9	14.4	14.3	14.3	14.2	*13.6	14.0	14.0	14.1	15.6
18.0	18.1	*18.7	17.8	17.0	15.6	17.5	17.5	17.5	17.6	16.7	16.5	16.6
17.6	17.9	*19.6	18.5	19.1	*19.6	18.2	18.5	18.6	18.4	18.2	18.2	17.5
18.5	18.5	19.0	*19.5	19.3	18.9	16.7	14.6	14.6	*14.5	14.8	15.1	17.5
16.6	17.3	14.9	14.6	*14.4	14.5	16.6	15.8	15.9	15.5	15.1	15.3	16.1
14.0	13.4	13.7	13.8	13.6	13.1	12.9	*12.8	13.2	13.2	12.9	12.9	14.0
14.3	13.7	13.2	*12.6	13.2	13.9	13.4	13.6	13.7	13.6	13.6	13.6	13.7
15.4	15.8	15.7	15.6	15.0	14.1	14.1	14.2	14.6	14.5	14.4	14.5	14.7
15.7	*16.6	16.2	16.5	14.8	14.7	14.7	14.6	14.8	14.4	14.3	14.3	14.8
15.8	15.7	15.7	*15.9	15.4	13.7	13.4	*12.6	13.1	12.8	13.1	13.4	14.4
15.9	16.2	*16.7	15.0	12.9	*11.5	11.7	12.0	12.7	13.1	12.8	12.5	13.8
14.1	*14.5	14.4	12.7	12.0	*11.5	11.6	11.7	11.8	12.1	12.1	12.1	12.7
12.3	12.8	12.9	*15.2	15.0	14.0	14.8	15.0	15.1	14.5	13.9	13.5	13.7
12.0	12.2	*11.4	11.5	11.8	12.2	12.2	12.2	12.2	12.3	12.3	12.3	*12.3
15.4	*15.9	15.5	15.2	14.5	14.1	14.1	13.9	15.0	15.2	15.4	15.5	14.4
16.1	16.6	*17.1	15.9	15.6	13.8	13.6	*13.4	13.5	13.8	14.0	14.2	15.0
*17.3	16.7	16.8	16.4	17.2	*13.1	13.5	13.4	13.4	13.6	13.8	14.1	15.3
16.2	16.4	17.5	18.4	18.7	18.0	*20.5	19.4	19.8	19.9	20.2	20.2	16.3
19.9	20.7	20.7	20.4	21.3	*21.9	19.5	18.2	18.6	18.6	18.6	18.9	19.4
16.8	*17.0	*17.0	16.7	16.3	15.7	15.7	*15.5	15.6	15.6	15.6	15.7	16.0

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

UPPER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Ci.	Ci.	Ci.	Ci.	Ci.	Ci.
2		A. cu.				
3	Ci.	Ci.	Ci.	Ci.		
4	A. cu.	Ci.	Ci.	Ci.		Ci. s.
5	A. cu. NNE.	A. cu. NNE.	A. cu. NNE.	A. cu.		A. cu.
6			A. cu.			
7		Ci. s.	Ci. s.			
8		A. cu.				A. cu.
9	A. cu. SW. by W.	A. cu.	Ci.	Ci.		
10	Ci. s.	Ci. s.				Ci. s.
11	Ci. s. S.	Ci. s.	A. cu.	A. cu.	A. cu.	A. cu.
12						
13					Ci. s.	Ci. s.
14						
15	Ci.	Ci.		A. cu.	Ci. s.	Ci. s.
16	A. cu.	A. cu.	Ci. s.		A. cu.	Ci. s.
17	A. cu. SE.	Ci. s. S.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
18	Ci. s. SSE.	Ci. s. S. by E.	Ci. s. S. by E.	Ci. s.	Ci. s.	Ci. s.
19	A. cu. SE. by E.	Ci.	Ci.	Ci.		
20	Ci. s. SSW.	Ci. s.	Ci. s. S. by W.	Ci. s.	Ci. s.	Ci. s.
21	Ci.	Ci.	Ci.		Ci.	Ci.
22	Ci. s. S. by W.	Ci. s.	Ci. s. S. by W.	Ci. s.		Ci. s.
23	Ci. s.	Ci.	Ci. s.	Ci.	Ci. s.	Ci. s.
24			A. cu. ENE.			
25	A. cu. E.	A. cu.	A. cu.	A. cu.	A. cu.	A. cu.
26		A. cu.	A. cu.	A. cu.		A. cu.
27		Ci. s.	Ci. cu.			
28	Ci. s.					

LOWER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Cu.		Cu.	Cu.	Cu.	Cu.
2	S. cu. ENE.	S. cu. ENE.	Cu. ENE.	Cu. ENE.	Cu. ENE.	Cu. ENE.
3	S. cu.	Fr. cu.	Cu. ENE.	Cu. ENE.	Cu. ENE.	Cu. ENE.
4	S. cu.	Cu.	Cu. ENE.	Cu. ENE.	Cu. ENE.	Cu. ENE.
5	Cu.	Cu. NE. by E.	S. cu. ENE.	S. cu. ENE.	S. cu. NE.	S. cu.
6	S. cu. NE. by E.	S. cu. NE. by E.	S. cu. E. by S.	S. cu. E. by S.	S. cu.	Cu.
7	S. cu. ENE.	S. cu. ENE.	S. cu.	N. cf. ENE.	N. cf.	N. cf.
8	S. cu. E. by N.	S. cu. E. by N.	S. cu. SSE.	S. cu.	S. cu. E. by N.	Cu.
9	S. cu. ENE.	S. cu. E.	Fr. cu. E.	Cu. E.	Cu.	Cu.
10	Cu. NE.	S. cu. ENE.	S. cu. ENE.	S. cu. ENE.	S. cu. ENE.	Cu.
11	Cu.	S. cu. ENE.	Cu.	S. cu. ENE.	S. cu. NE.	S. cu.
12	S. cu. E.	S. cu. E.	Cu. E.	Cu. ENE.	N. cf. ENE.	N. cf.
13	S. cu. E. by N.	S. cu. ENE.	S. cu. ENE.	N. cf. ENE.	Cu. N. E. by N.	Cu.
14	S. cu. NE. by E.	S. cu.	S. cu. NE. by E.	N. cf. ENE.	N. cf. ENE.	N. cf.
15	S. cu. ENE.	S. cu. ENE.	S. cu. ENE.	S. cu. ENE.	S. cu. ENE.	S. cu.
16	S. cu. E. by N.	S. cu. E. by N.	S. cu. E. by N.	S. cu.	S. cu. E. by N.	S. cu.
17	S. cu. ENE.	S. cu. ENE.	Cu.	Cu. ENE.	Cu.	Cu.
18	Cu.	Cu.	Cu.	Cu. NE. by E.	S. cu. NE. by E.	Cu.
19	S. cu.	S. cu.		Fr. cu. ENE.	Fr. cu. ENE.	Cu.
20	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
21	Cu.	Cu.	Cu. ENE.	S. cu. ENE.	S. cu. NE.	S. cu. NE.
22	S. cu.	S. cu.	S. cu.	Cu.	N. cf. ENE.	Cu. ENE.
23	Cu.	Cu.	Cu.	Cu. E. by N.	Cu. ENE.	Cu. ENE.
24	S. cu. E.	S. cu. E.	S. cu.	Fr. cu. ENE.	N. cf.	N. cf. ENE.
25	S. cu.	Cu.	Cu.	Cu. E. by S.	Cu.	Cu.
26	S. cu.	S. cu. E.	S. cu. E.	S. cu. E.	Cu. E.	S. cu. E.
27	S. cu.	S. cu.	S. cu.	S. cu.	Cu.	Cu.
28	S. cu.	S. cu. ENE.	S. cu. ENE.	S. cu. ENE.	S. cu. ENE.	S. cu.

OBSERVATIONS FOR FEBRUARY, 1902.

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UPPER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Ci.	Ci.	Ci. s. Ci.	Ci. Ci.	Ci. Ci.	Ci. Ci. Ci. Ci. s. Ci. Ci. A. cu. Ci. cu.
A. cu.	A. cu. A. cu.	Ci. s.	Ci. s. Ci. Ci. s. A. cu. A. cu.	A. cu. A. cu. A. cu. Ci. cu.	
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	
	Ci. s.	A. cu.	Ci. s. Ci. s.	A. cu. A. cu.	A. cu.
Ci. s. Ci. s. Ci. s. Ci. s. A. cu. SE. by E. Ci. s.	Ci. s. Ci. s. Ci. s. Ci. s. A. cu. Ci. s.	Ci. s. Ci. s. Ci. s. Ci. s. A. cu. Ci. s.	Ci. s. Ci. s. Ci. s. Ci. s. A. cu. Ci. s.	Ci. s. Ci. s. Ci. s. Ci. s. Ci. Ci. s.	Ci. s. Ci. s. Ci. s. Ci. s. Ci. Ci. s.
Ci. Ci. s. Ci. s.	Ci. Ci. Ci.	Ci. Ci. Ci. A. cu. A. cu.	Ci. Ci.	Ci. s. Ci. s.	Ci. s. Ci. s.
Ci. s.	A. cu.	A. cu.	A. cu.	A. cu.	A. cu.
A. cu. E. by S.	A. cu.	A. cu. Ci. s.	A. cu. E.		A. cu.

LOWER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Cu. Cu. N. cf. ENE. Cu. N. cf. Cu. E. Cu. N. ENE. S. cu. Cu. E. by N. Cu.	Cu. Cu. Cu. ENE. Cu. N. cf. NE. by E. N. cf. E. Cu. N. ENE. S. cu. N. cf. E. by N. Cu. NE. by E.	Cu. Cu. NE. N. cf. NE. by E. Cu. N. cf. NE. by E. Cu. E. S. cu. ENE. S. cu. N. cf. N. cf. NE. by E.	Cu. Cu. NE. N. cf. NE. by E. Cu. NE. N. cf. ENE. Cu. N. ENE. S. cu. E. by N. Cu. E. S. cu.	Cu. Cu. Cu. ENE. S. cu. NE. Cu. ENE. Cu. NE. by N. S. cu. ENE. S. cu. E. by N. S. cu. S. cu. NE.	Cu. S. cu. S. cu. S. cu. S. cu. S. cu. S. cu. ENE. S. cu. E. by N. S. cu. S. cu. N. cf. Cu. N. S. cu. S. cu. Cu. S. cu. Cu. S. cu. S. cu. NE.
N. cf. ENE. Cu. N. ENE. S. cu. N. cf. N. cf. NE. by N. Cu. ENE. Cu. N. ENE. Cu. Cu. Cu.	Cu. ENE. S. cu. ENE. S. cu. ENE. N. cf. ENE. Cu. NE. N. cf. Cu. N. Cu. Cu. Cu. NE. by E.	Cu. ENE. S. cu. ENE. S. cu. ENE. N. cf. ENE. Cu. NE. Cu. E. Cu. NE. N. cf. Fr. cu. NE. by E.	Cu. E. by N. Cu. N. ENE. S. cu. ENE. N. cf. ENE. S. cu. Cu. N. NE. Cu. NE. Cu. E. by N. Fr. cu.	Cu. E. by N. Cu. N. ENE. S. cu. E. by N. S. cu. NE. Cu. E. by N. Cu. N. Cu. NE. Cu. N. Cu. NE. Cu. N. NE.	N. cf. Cu. N. S. cu. S. cu. Cu. S. cu. Cu. S. cu. S. cu. S. cu. NE.
Cu. NE. Cu. E. Cu. N. cf. N. cf. ENE. Cu. S. cu. ESE. S. cu. NE.	Cu. NE. Cu. E. Cu. N. cf. S. cu. NE. Fr. cu. NE. Cu. E. S. cu. NE.	Cu. ENE. Cu. E. Cu. Cu. ENE. S. cu. NE. N. cf. NE. S. cu. E. by S. S. cu. NE.	Cu. ENE. Cu. N. ENE. Cu. N. cf. ENE. Cu. NE. Cu. NE. S. cu. NE. S. cu. NE.	S. cu. Cu. N. Cu. N. cf. S. cu. Fr. cu. NE. S. cu. E. S. cu.	S. cu. Cu. N. S. cu. S. cu. S. cu. S. cu. S. cu. S. cu.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
1	Calm.		Calm.		Calm.		Calm.		E.	1.5	NE.	1.5
2	Calm.		Calm.		NNE.	1.0	NNE.	1.0	NE.	1.0	Calm.	
3	Calm.		Calm.		Calm.		Calm.		NE.	1.5	Calm.	
4	Calm.		Calm.		Calm.		Calm.		Calm.		N.	0.5
5	Calm.		Calm.		Calm.		Calm.		NE.	2.0	NE.	0.5
6	Calm.		NNE.	1.0	NNE.	1.0	NE.	0.5	NE.	1.0	NE. by N.	0.5
7	Calm.		Calm.		Calm.		Calm.		Calm.		Calm.	
8	Calm.		Calm.		Calm.		Calm.		ENE.	1.0	Calm.	
9	Calm.		Calm.		Calm.		Calm.		Calm.		Calm.	
10	Calm.		Calm.		Calm.		Calm.		Calm.		E.	2.0
11	ENE.	1.5	Calm.		Calm.		Calm.		Calm.		NE.	1.5
12	Calm.		Calm.		Calm.		Calm.		Calm.		NNE.	1.0
13	Calm.		ENE.	1.5	ENE.	1.0	ENE.	2.0	ENE.	1.0	ENE.	0.5
14	Calm.		NE.	2.0	Calm.		Calm.		Calm.		NNE.	1.5
15	E.	3.0	Calm.		ENE.	1.5	Calm.		E.	1.5	Calm.	
16	Calm.		Calm.		Calm.		Calm.		NE.	0.5	Calm.	
17	NNE.	1.5	N.	0.5	N.	1.5	Calm.		NNE.	1.5	NNE.	2.0
18	Calm.		E.	0.5	N.	1.5	N.	1.0	N.	1.5	NNE.	2.5
19	N.	1.0	Calm.		Calm.		N.	1.5	NE.	1.0	NNE.	1.0
20	ESE.	1.0	N.	2.5	N.	2.0	NNE.	1.5	Calm.		Calm.	
21	Calm.		Calm.		Calm.		S. by W.	1.5	Calm.		NE.	1.0
22	Calm.		Calm.		Calm.		Calm.		NNE.	1.5	NNE.	0.5
23	Calm.		ENE.	1.0	NE.	3.0	NNE.	5.0	NNE.	2.5	Calm.	
24	NNE.	2.0	N.	2.0	NE.	1.0	E.	3.0	Calm.		NNE.	2.5
25	NE.	1.0	Calm.		Calm.		Calm.		ENE.	1.5	Calm.	
26	ENE.	1.0	ENE.	1.0	NE.	1.0	Calm.		NE.	1.0	NE.	2.0
27	Calm.		ENE.	1.0	NE. by E.	1.0	Calm.		Calm.		E.	0.5
28	WNW.	0.5	Calm.		Calm.		N.	*3.5	Calm.		Calm.	
Mean		0.4		0.5		0.6		0.7		0.8		0.8

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
1	WSW.	2.5	WSW.	1.0	WSW.	1.5	W.	3.5	W.	2.5	Calm.	
2	W.	3.0	WSW.	3.0	WSW.	3.0	WSW.	1.0	SE.	*4.5	SE.	4.0
3	SSW.	2.5	SSW.	0.5	SE.	1.0	E.	*4.0	NE.	2.0	Calm.	
4	SW.	1.5	W.	4.0	SW.	2.0	WSW.	3.0	NE. by E.	*4.5	ENE.	2.0
5	W.	*3.0	WSW.	2.5	WSW.	*3.0	Calm.		Calm.		E.	2.0
6	WSW.	2.0	WNW.	1.5	W.	1.0	WSW.	*2.5	Calm.		Calm.	
7	W.	2.0	NW.	2.0	S.	2.5	S.	0.5	Calm.		ESE.	2.5
8	W.	2.5	WSW.	2.5	WSW.	1.0	ESE.	*6.0	E.	3.0	ESE.	2.5
9	W.	0.5	SW.	1.0	WNW.	1.5	Calm.		E.	1.5	E.	*3.0
10	WSW.	*4.0	W.	2.5	WSW.	1.5	WSW.	1.0	E.	2.5	E.	2.0
11	SW.	1.5	WSW.	1.0	Calm.		SSW.	2.0	E.	3.0	E.	*4.5
12	SW.	1.5	SW.	1.0	SSW.	2.5	SE.	1.5	Calm.		ESE.	1.5
13	ESE.	1.0	S.	1.0	SSE.	2.5	Calm.		Calm.		ENE.	1.5
14	NNW.	1.5	W.	1.0	ENE.	6.0	E. by N.	*6.5	ENE.	3.5	E.	5.0
15	E.	8.0	E.	3.5	E.	8.0	E. by N.	*9.5	E.	4.0	E.	8.5
16	E.	2.5	ENE.	*5.5	E.	1.5	NE.	4.0	NE.	3.0	NE.	3.0
17	WSW.	2.5	SW.	0.5	Calm.		NW.	3.0	NE.	*7.0	NE.	3.5
18	WSW.	2.5	SW.	2.5	W.	2.0	W.	2.0	NE.	2.5	E.	1.0
19	SW.	2.0	SW.	2.0	WSW.	2.5	WSW.	2.0	SW.	1.0	Calm.	
20	SW.	*4.0	SW.	2.0	SW.	1.5	SE.	3.0	E.	2.0	E.	3.0
21	WSW.	3.0	S.	*5.0	S.	1.0	NE.	2.0	NE.	4.0	ENE.	1.0
22	ENE.	9.0	ENE.	*10.0	ENE.	8.0	NE.	6.0	ESE.	3.0	E.	3.0
23	ENE.	3.0	NE.	4.0	E.	7.0	E.	5.0	E.	*8.0	ENE.	2.5
24	Calm.		Calm.		NW. by W.	*4.5	NNW.	3.0	E.	2.5	ENE.	2.0
25	WSW.	3.5	ESE.	1.0	ESE.	0.5	SE.	4.0	SE.	*5.5	ESE.	3.5
26	W.	2.0	WSW.	3.0	WSW.	2.0	WSW.	2.5	WSW.	1.5	ENE.	3.0
27	WSW.	1.0	W.	*3.0	W.	1.0	W.	1.5	W.	1.5	Calm.	
28	WSW.	3.0	WSW.	1.0	Calm.		ESE.	2.5	Calm.		Calm.	
Mean		2.7		2.4		2.4		*2.9		2.6		2.3

OBSERVATIONS FOR FEBRUARY, 1902.

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WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
NE.	0.5	NNE.	2.0	N.	4.0	NW.	1.5	NW.	*5.5	W.	3.0
NE.	1.0	NE.	1.5	NE.	3.0	Calm.		WSW.	2.0	W.	2.0
Calm.		NE.	1.0	NE.	1.5	S.	2.0	S.	1.5	SW.	2.5
NNE.	0.5	NE.	2.0	WSW.	2.0	WSW.	1.0	WSW.	2.0	SW.	1.5
Calm.		NNE.	1.0	Calm.		WSW.	1.0	SSW.	2.0	SSW.	1.0
NE.	1.0	Calm.		NNE.	1.0	Calm.		W.	1.0	Calm.	
NE.	1.0	NE.	1.0	NE.	0.5	Calm.		WSW.	2.0	W.	*3.0
Calm.		ENE.	1.0	NE.	1.0	W.	3.5	WSW.	3.0	WSW.	3.5
E.	1.0	NW.	2.5	N.	1.0	WSW.	1.0	WSW.	1.5	WSW.	2.0
Calm.		N.	2.5	NE.	1.0	NE.	1.0	S.	2.5	SSW.	1.5
Calm.		Calm.		W.	1.5	W.	3.0	W.	3.5	WSW.	1.0
NNE.	1.0	NNE.	*3.0	N.	2.0	Calm.		W.	2.0	WSW.	1.0
NE.	1.5	NNE.	2.5	NNE.	1.5	Calm.		NE.	2.5	NE.	*3.0
NNE.	1.0	Calm.		Calm.		SSE.	1.0	Calm.		Calm.	
ENE.	1.0	ENE.	6.5	NNE.	3.0	NE.	1.5	ENE.	3.0	ENE.	*9.5
NE.	1.0	Calm.		NE.	1.0	N.	2.0	NNW.	2.5	W.	0.5
NE.	1.0	NE.	1.0	N.	4.0	N.	2.0	E.	0.5	SSW.	2.0
NNE.	*3.0	NNE.	2.0	N.	2.5	ENE.	1.5	WSW.	2.0	Calm.	
Calm.		Calm.		Calm.		WNW.	4.0	W.	3.5	WSW.	*4.5
Calm.		Calm.		Calm.		W.	1.5	W.	2.0	SW.	3.0
NNE.	2.0	NE.	0.5	NNE.	3.5	NE.	1.5	ENE.	2.0	NNW.	2.5
NNE.	0.5	Calm.		NNE.	2.0	ENE.	1.5	NNE.	1.0	NE.	2.5
NE.	1.5	NNE.	3.0	N.	2.0	NNE.	5.0	ENE.	3.0	E.	2.0
N.	3.5	Calm.		N.	1.5	W.	3.5	WSW.	4.0	WSW.	2.0
NNE.	1.0	N.	2.0	W.	1.0	W.	1.5	WSW.	3.0	WSW.	4.0
NE.	0.5	Calm.		S.	1.5	S.	2.5	S.	*4.0	WSW.	1.5
Calm.		Calm.		Calm.		WSW.	2.0	W.	2.5	W.	*3.0
Calm.		NNE.	1.5	NNE.	2.0	WSW.	2.0	SSW.	*3.5	SSW.	2.5
0.8		1.3		1.6		1.7		2.4		2.3	

7 p.		8 p.		9 p.		10 p.		11 p.		12 p.		Mean.
Calm.		Calm.		WSW.	0.5	Calm.		Calm.		Calm.		1.3
ESE.	2.0	E.	0.5	ESE.	1.0	Calm.		Calm.		Calm.		1.4
Calm.		Calm.		Calm.		Calm.		Calm.		Calm.		0.8
Calm.		Calm.		ESE.	1.5	Calm.		Calm.		Calm.		1.2
E.	2.0	Calm.		E.	1.0	ESE.	1.0	SE. by E.	1.0	Calm.		1.0
Calm.		Calm.		Calm.		Calm.		Calm.		Calm.		*0.6
ESE.	1.0	Calm.		ESE.	1.0	Calm.		Calm.		Calm.		0.8
ESE.	1.5	E.	0.5	ESE.	2.5	ESE.	1.5	E.	1.0	Calm.		1.6
ESE.	2.5	ESE.	1.0	ESE.	2.0	Calm.		ESE.	1.0	Calm.		1.0
E.	1.5	Calm.		ESE.	0.5	ESE.	1.0	Calm.		ENE.	1.0	1.2
Calm.		Calm.		Calm.		Calm.		S.	0.5	Calm.		1.0
NE.	2.0	ENE.	1.0	Calm.		Calm.		ENE.	1.0	ENE.	0.5	0.9
E.	1.5	E.	2.5	E. by S.	1.5	NE.	1.0	Calm.		Calm.		1.2
ESE.	1.5	E.	1.5	E.	0.5	E.	4.5	E.	3.0	ENE.	1.5	1.7
E.	3.0	ESE.	3.5	ESE.	1.5	Calm.		Calm.		Calm.		*3.3
E.	0.5	ESE.	2.5	ESE.	2.5	SE.	1.0	Calm.		Calm.		1.4
Calm.		ESE.	0.5	ESE.	1.0	E.	1.0	E.	2.0	Calm.		1.6
Calm.		ESE.	1.0	ESE.	1.0	NE.	*3.0	NE.	1.0	Calm.		1.5
Calm.		Calm.		Calm.		Calm.		ESE.	0.5	Calm.		1.1
ESE.	2.0	Calm.		ESE.	1.0	S.	1.0	S.	1.5	S.	1.0	1.5
Calm.		E.	0.5	E.	2.0	Calm.		Calm.		Calm.		1.4
E.	1.0	Calm.		ESE.	1.0	ENE.	1.0	ENE.	1.0	ENE.	1.0	2.2
E.	7.0	Calm.		ENE.	2.0	ENE.	1.0	Calm.		NE.	1.0	2.9
E.	2.0	ESE.	2.0	ESE.	1.5	SE.	3.0	SE.	0.5	SE.	1.0	2.0
ESE.	3.5	ESE.	1.0	SE. by E.	2.5	ESE.	3.0	SE. by E.	1.5	Calm.		1.9
ESE.	2.0	ESE.	3.5	ESE.	2.5	ESE.	1.5	Calm.		Calm.		1.6
Calm.		WNW.	2.0	W.	1.0	SW.	1.5	Calm.		Calm.		0.9
ESE.	2.0	SSE.	2.0	Calm.		SSE.	1.5	Calm.		Calm.		1.1
1.4		0.9		1.1		1.0		0.6		*0.2		1.4

WIND.—FORCE IN KILOMETERS PER HOUR.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	3.0	2.0	3.5	4.0	3.5	4.5	6.0	6.5	11.5	11.0	*15.0	14.5
2-----	0.0	2.0	4.0	5.5	4.5	2.0	0.0	2.5	5.0	3.0	7.5	12.0
3-----	0.0	1.0	1.0	0.5	0.5	2.0	0.5	2.5	4.0	4.5	8.0	8.0
4-----	4.5	1.5	0.0	0.0	0.0	3.0	4.0	3.0	2.5	9.0	8.5	11.0
5-----	0.0	0.0	0.0	0.5	0.5	2.5	0.5	4.0	0.5	3.0	6.0	7.0
6-----	1.5	3.0	3.0	3.0	1.0	4.0	3.0	1.5	1.5	2.0	5.0	6.0
7-----	1.0	0.0	2.0	1.0	1.0	1.0	3.0	1.5	2.0	3.5	8.0	*12.0
8-----	1.0	0.0	0.0	0.0	2.5	1.0	0.0	1.0	1.5	10.0	10.0	9.5
9-----	0.0	0.0	1.5	0.0	0.5	0.0	0.5	5.5	5.0	1.5	5.5	*7.5
10-----	0.5	0.0	0.5	1.0	0.0	2.0	3.5	4.0	7.5	6.0	5.0	4.5
11-----	7.0	2.5	2.0	2.5	2.0	1.5	3.0	0.0	1.5	9.5	7.5	7.0
12-----	0.5	0.5	1.5	1.0	0.5	2.5	7.0	5.0	*10.0	7.5	8.5	8.5
13-----	2.0	4.5	4.0	6.5	6.0	5.0	3.5	7.0	8.5	4.0	6.0	12.0
14-----	0.5	1.5	2.0	1.0	0.5	1.5	2.0	4.0	1.0	1.5	4.0	3.5
15-----	9.5	2.5	7.0	3.5	1.0	1.0	1.5	21.5	11.5	16.5	13.0	23.0
16-----	0.0	0.5	1.5	1.5	1.0	0.0	0.5	0.0	3.5	3.0	2.5	10.0
17-----	2.5	4.5	6.0	3.5	4.0	6.0	6.0	3.5	9.0	4.0	1.5	5.5
18-----	0.5	0.5	6.5	3.0	8.5	10.0	9.5	*11.5	10.5	7.5	5.5	7.0
19-----	3.0	2.0	2.0	2.5	5.0	5.0	3.0	2.5	1.0	3.5	16.5	*17.5
20-----	1.0	8.5	9.0	7.0	3.0	1.0	4.0	3.0	2.0	5.5	12.0	14.5
21-----	2.0	3.0	3.0	5.5	4.5	5.0	6.0	6.5	9.0	11.0	7.5	9.0
22-----	2.5	0.0	1.0	6.0	2.0	6.0	6.5	7.5	5.0	10.0	14.0	21.0
23-----	3.0	5.0	8.0	11.0	11.5	5.5	4.0	6.5	12.5	10.0	8.5	9.5
24-----	5.0	7.0	4.5	8.5	7.5	5.5	7.5	5.5	5.5	8.0	12.5	11.0
25-----	6.5	1.5	0.0	0.0	2.5	4.0	4.5	5.0	7.5	10.0	11.5	12.0
26-----	3.0	4.0	4.5	2.0	2.5	5.0	2.5	2.5	4.0	6.0	6.5	10.0
27-----	0.0	3.0	4.0	2.5	0.5	4.5	1.0	2.5	5.5	7.0	13.0	13.0
28-----	3.5	4.5	1.0	2.5	6.5	1.0	3.0	5.0	7.0	6.0	6.0	8.0
Mean	*2.3	*2.3	3.0	3.1	3.0	3.3	3.4	4.7	5.6	6.6	8.4	10.5

AMOUNT OF CLOUDS (0-10).

Day.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	Mean.
1-----	1	2	1	1	1	1	2	3	2	2	2	2	2	1	1	0	1	*1.5
2-----	1	9	10	5	4	5	4	4	3	3	4	6	4	7	1	2	7	4.6
3-----	6	4	1	1	2	5	10	8	9	8	9	9	6	3	1	0	1	4.9
4-----	3	4	2	3	3	2	3	7	4	5	4	6	4	2	2	4	4	3.6
5-----	3	9	9	9	9	8	9	9	9	7	9	9	6	8	1	0	6	6.7
6-----	3	7	9	9	9	9	7	9	7	9	8	7	5	3	2	2	1	6.2
7-----	10	10	9	9	4	9	9	8	8	9	9	9	9	4	5	6	8	7.9
8-----	10	10	9	10	9	9	10	9	9	9	9	9	7	5	2	1	1	7.5
9-----	10	10	8	9	6	6	10	10	9	9	9	8	6	4	2	1	1	6.9
10-----	2	3	8	8	9	10	9	3	6	6	7	5	5	5	2	3	4	5.6
11-----	9	4	5	6	8	8	8	9	10	10	10	9	8	9	8	9	10	8.2
12-----	10	9	9	9	8	9	9	9	10	9	9	10	10	10	10	10	10	*9.4
13-----	8	6	8	7	8	9	9	8	10	9	10	9	8	9	8	9	9	8.5
14-----	3	9	7	9	10	10	10	10	9	9	8	9	5	9	10	10	10	8.6
15-----	10	10	10	10	9	9	9	9	7	8	7	5	6	7	8	8	7	8.2
16-----	5	8	8	7	8	8	8	8	7	9	8	7	6	6	7	7	7	7.3
17-----	8	8	8	7	6	9	8	8	10	10	9	10	10	10	9	9	9	8.7
18-----	5	6	7	7	6	7	9	7	7	6	5	5	5	6	6	5	5	6.1
19-----	4	7	3	1	1	1	6	8	7	7	7	6	4	4	4	4	4	4.6
20-----	3	4	8	8	8	8	7	6	6	7	7	7	7	6	8	8	7	6.8
21-----	6	2	2	3	3	7	7	7	7	7	7	6	7	7	8	7	7	5.9
22-----	9	5	6	5	4	5	9	7	7	8	8	10	10	10	10	9	9	7.7
23-----	6	4	4	2	2	3	7	6	6	5	5	4	5	5	5	3	2	4.4
24-----	10	10	9	9	6	4	8	8	9	8	7	9	7	8	8	10	10	8.2
25-----	8	3	3	2	2	4	4	7	7	8	8	7	7	5	4	2	4	5.0
26-----	10	10	9	8	8	6	4	7	9	7	7	3	3	1	1	1	2	5.6
27-----	2	1	1	1	1	1	1	2	9	6	8	10	10	10	10	10	10	5.5
28-----	6	4	3	9	7	9	9	9	8	9	8	8	8	5	2	2	3	6.4
Mean	6.1	6.4	6.3	6.2	5.8	6.5	7.3	7.3	*7.5	*7.5	7.4	7.3	6.4	6.0	5.2	*5.1	5.5	6.4

OBSERVATIONS FOR FEBRUARY, 1902.

25

WIND—FORCE IN KILOMETERS PER HOUR.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
12.0	10.0	8.0	9.5	9.0	2.5	0.5	0.0	0.5	1.5	0.5	0.0	5.8
12.5	11.0	10.0	7.0	6.0	*13.0	9.5	6.5	2.5	2.0	0.0	1.5	5.4
7.0	5.5	3.0	5.0	*11.0	8.0	2.0	3.0	1.0	1.0	3.0	2.5	3.5
11.5	11.5	10.0	11.5	9.5	*12.0	4.5	4.0	3.5	2.5	0.5	0.0	5.3
7.0	7.5	*10.0	1.5	4.0	*10.0	9.0	4.0	6.0	5.5	6.0	2.5	4.1
6.0	*9.0	5.0	6.0	4.0	6.5	5.0	4.0	0.5	1.0	0.0	0.5	*3.4
9.5	9.5	7.5	6.5	5.5	11.5	9.5	5.0	1.5	2.0	1.5	2.0	4.5
11.0	10.0	6.5	7.5	*16.0	13.0	9.5	5.0	5.5	6.0	2.5	3.0	5.5
7.0	3.5	3.0	6.0	5.0	7.0	6.5	7.0	5.0	2.5	0.5	4.0	3.5
5.0	*14.5	9.0	5.5	12.5	10.0	8.0	7.5	4.5	5.5	1.0	4.5	5.1
5.0	7.0	2.5	4.0	6.5	*12.0	2.0	0.0	0.0	0.0	4.0	3.5	3.9
7.0	4.0	4.5	7.0	3.0	0.5	6.5	3.5	2.0	2.5	3.0	2.0	4.1
7.0	6.5	6.0	4.0	2.5	1.5	7.0	9.5	*13.5	4.5	3.5	0.0	5.6
7.0	7.0	25.0	*30.0	29.5	21.0	12.5	3.5	8.0	12.0	15.5	11.5	8.6
22.0	27.5	25.0	*33.0	*30.5	21.0	20.0	12.0	5.0	1.0	1.5	1.0	*13.0
4.5	9.0	12.5	11.5	*14.5	14.0	8.0	7.5	8.5	6.5	2.0	0.0	5.1
12.5	6.5	0.5	5.0	12.0	*15.5	7.5	5.0	5.0	3.5	4.5	2.5	5.7
7.5	8.5	11.0	8.0	4.5	11.0	6.0	3.5	5.0	8.0	5.0	1.5	6.7
12.5	11.5	13.0	7.0	4.0	4.5	3.0	4.0	3.0	3.5	1.5	2.0	5.5
*15.5	11.0	9.5	5.0	9.0	15.0	6.0	6.5	6.0	6.5	6.5	4.0	7.1
7.5	8.0	8.5	10.0	*17.0	16.0	8.0	7.0	8.0	5.0	2.0	1.0	7.1
22.5	23.0	*27.0	20.5	15.5	16.5	4.0	3.0	1.5	5.0	2.0	5.0	9.5
11.5	19.0	*21.5	20.0	17.5	20.0	18.0	13.0	5.0	5.5	2.5	2.0	10.4
7.0	6.5	10.5	*15.5	13.0	13.5	9.5	7.0	9.5	13.0	7.5	5.5	8.6
11.5	6.5	0.0	6.5	16.5	*17.5	14.0	11.0	10.5	10.0	6.0	1.5	7.4
*13.5	10.0	10.5	8.5	7.5	7.0	8.5	9.5	11.5	8.5	2.5	1.0	6.3
*13.5	11.0	11.0	6.5	6.0	7.0	5.0	5.0	6.5	7.0	5.5	0.5	5.9
6.0	*9.5	3.0	6.0	5.5	1.5	1.0	8.0	8.0	5.0	2.5	2.5	4.7
10.1	10.1	9.8	9.8	10.6	*11.0	7.5	5.9	5.2	4.9	3.3	2.4	6.1

FREQUENCY OF THE WIND.

Day.	N NNW	NW WNW	W WSW	SW SSW	S SSE	SE ESE	E ENE	NE NNE	Calm.
1	1	2	7				1	3	10
2			6			4	1	6	7
3				3	2	1	1	4	13
4	1		5	3		1	2	2	10
5			4	2		2	3	3	10
6		1	4					7	12
7		1	3		2	3		3	12
8			6			5	5	1	7
9	1	2	4	1		4	3		9
10	1		4	1	1	2	5	2	8
11			5	2	1		3	1	12
12	1		2	3		2	3	4	9
13						2	8	6	6
14	1		1		1	1	9	3	8
15						2	14	2	6
16	2		1			3	4	6	8
17	4	1	1	2		2	3	7	4
18	4		4	1		2	3	6	4
19	2	1	4	3		1		2	11
20	2		2	4	3	4	2	1	6
21	1		1	1	2		4	7	8
22						2	9	7	6
23	1						11	8	4
24	4	1	3			5	4	3	4
25	1		5			10	1	2	5
26			6		3	4	3	4	4
27		1	9	1			3		10
28	1	1	3	2	3	1		2	11
Mean	1.0	*0.4	3.2	1.0	0.7	2.2	3.8	3.6	*8.0

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.
1-----	61.96	9.00 a.	31.1	3.00 p.	91.0	*23.5	*58.15	3.45 p.	19.6	6.50 a.	62.0	16.5
2-----	62.50	9.30 a.	30.8	4.00 p.	*96.0	21.6	58.94	4.00 p.	21.4	6.50 a.	65.0	17.0
3-----	64.55	9.50 p.	*31.9	2.10 p.	94.0	21.1	61.30	3.10 a.	21.0	6.40 a.	59.0	17.8
4-----	65.40	9.25 a.	30.7	2.40 p.	82.0	18.4	61.85	3.30 p.	*21.7	5.40 a.	54.0	16.2
5-----	65.30	9.15 a.	28.6	2.10 p.	83.5	18.9	62.55	3.00 p.	21.0	12 m. n.	64.0	15.7
6-----	65.95	9.35 a.	28.9	4.20 a.	93.0	18.8	62.60	3.35 p.	18.7	7.00 a.	60.0	15.8
7-----	65.15	9.25 a.	27.7	9.50 a.	89.0	19.2	62.27	4.00 p.	20.2	7.30 a.	68.0	16.3
8-----	64.51	10.00 a.	27.6	2.30 p.	83.0	17.5	61.55	3.45 p.	20.3	11.50 p.	59.0	14.9
9-----	64.80	9.30 a.	27.3	3.10 p.	89.0	17.0	62.00	3.20 p.	19.1	4.10 a.	62.0	14.4
10-----	65.50	9.00 a.	29.5	0.50 p.	85.5	17.2	62.50	3.20 p.	19.7	7.30 a.	56.5	13.6
11-----	65.87	9.00 a.	27.8	0.50 p.	93.0	18.7	63.35	2.50 p.	17.2	7.00 a.	63.0	14.2
12-----	65.45	9.00 a.	27.9	2.50 p.	88.0	19.6	62.30	3.15 p.	21.6	5.10 a.	65.0	16.2
13-----	65.30	10.20 p.	27.7	9.55 a.	93.0	19.5	62.30	1.50 p.	20.3	6.50 a.	68.0	14.5
14-----	66.40	10.25 p.	27.2	1.30 p.	84.0	17.5	63.20	3.25 p.	20.8	7.15 a.	57.5	14.4
15-----	66.75	9.40 p.	27.3	1.55 p.	*76.0	15.4	*64.05	2.50 p.	19.9	9.00 p.	52.0	12.8
16-----	66.75	9.05 a.	28.5	1.20 p.	90.0	15.4	63.25	2.55 p.	15.9	6.35 a.	47.5	12.6
17-----	66.35	9.15 a.	29.1	3.50 p.	90.0	16.5	62.55	3.45 p.	16.8	7.00 a.	55.0	13.8
18-----	65.20	9.50 a.	29.6	2.00 p.	86.0	16.6	61.75	3.10 p.	17.1	7.00 a.	54.0	13.6
19-----	64.84	9.00 a.	28.4	5.00 p.	92.0	15.9	61.70	3.35 p.	16.7	5.50 a.	53.0	12.6
20-----	64.50	9.15 a.	29.2	4.10 p.	93.0	16.7	60.85	3.50 p.	15.8	6.40 a.	48.0	11.5
21-----	65.10	11.10 p.	28.6	2.30 p.	88.0	14.5	62.40	3.15 p.	16.6	5.50 a.	46.0	11.5
22-----	66.95	11.00 p.	28.4	0.50 p.	80.0	15.2	63.65	2.25 p.	17.8	6.50 a.	46.0	12.2
23-----	*67.20	9.00 a.	28.6	2.45 p.	78.0	*13.1	63.60	3.30 p.	16.6	7.00 a.	*43.5	*11.4
24-----	65.05	0.10 a.	*26.8	2.50 p.	88.0	15.9	61.30	3.25 p.	16.8	4.10 a.	61.0	12.2
25-----	63.65	8.15 a.	28.8	3.55 p.	90.0	17.1	60.35	2.40 p.	18.1	6.40 a.	57.0	13.4
26-----	63.55	9.15 a.	28.5	4.55 p.	86.0	17.3	60.15	3.40 p.	19.1	5.30 a.	54.0	13.1
27-----	62.70	9.15 a.	28.3	2.30 p.	90.0	20.5	59.52	3.00 p.	*15.7	6.50 a.	57.0	13.1
28-----	*61.75	8.30 a.	28.8	3.10 p.	90.0	21.9	58.90	4.00 p.	21.0	6.50 a.	*71.0	*18.0
Mean	64.96		28.7		87.9	17.9	61.75		18.8		57.4	14.3

GENERAL REMARKS.

Day.	Remarks.	Day.	Remarks.
2----	High clouds colored at sunset.	15---	Bands of cirrus convergent to the SE. during the day; gusty winds from E. at night.
3----	Filaments of cirrus to the SSW. in the morning; light coloration of clouds at sunset.	16---	Like the last day.
4----	Clouds colored at sunrise and sunset.	17---	Solar and lunar halos; clouds colored at sunset.
5----	Lunar corona in the early morning; rain to the SW. in the afternoon.	18---	Bands of cirrus from NW. to SE.; cirro-stratus colored at sunset; lunar corona and halo at night.
6----	Hazy.	19---	Cirrus from ESE. to WNW.; lunar corona and halo at night.
7----	Drizzle at noon; clouds colored at sunset.	20---	Veil of cirrus with filaments convergent to the SSE. in the morning.
8----	Clouds colored at sunset.	21---	Convergence of cirrus to the S. in the afternoon.
9----	Air transparent and high clouds colored in the afternoon.	22---	Gusty wind from the 1st quadrant in the afternoon.
11----	Cirro-stratus from NNW. to SSE. in the morning; air transparent in the afternoon; dark the 1st quadrant at night.	24---	High clouds colored at sunrise and sunset; filaments of cirrus convergent to the S.
12----	Cloudy; drizzle at night.	23---	Rain in different points; drizzle and clouds colored in the afternoon.
13----	Solar halo and drizzle in the forenoon; rain in different points in the afternoon.	25---	Drizzle; air transparent in the afternoon.
14----	Passing drizzle in the locality at noon; gusty wind from the 1st quadrant in the afternoon; clouds colored at sunset.	26---	Rain in some points of the 2nd and 3rd quadrants.
		27---	Drizzle in the afternoon.
		28---	Distant rain in different points in the afternoon.

GENERAL APPEARANCE OF THE SKY.

	Clear.	Cloudy.	Variable.
Early morning -----	4	11	13
Morning -----	2	17	9
Afternoon -----	1	15	12
Evening -----	9	10	9

OBSERVATIONS FOR FEBRUARY, 1902.

27

Day.	Total wind velocity (kil. p. h.).	Admidometer.	Rainfall.	Ozone.		Sunshine.	Bay.	Underground temperature. 8 a. m.			Meteors.
				6 a.	6 p.			25 cm.	50 cm.	1 m.	
1	139.0	5.7		1.0	2.0	*10-25	S	26.0	27.6	27.5	p p ²
2	129.5	4.8		1.5	2.0	8-35	S	26.7	27.7	27.5	p p ²
3	84.5	5.5		1.0	3.0	6-30	S	*26.8	*27.8	*27.8	p p ²
4	128.0	7.4		1.0	1.5	8-20	S	26.0	*27.8	*27.8	p p ²
5	97.5	5.6		3.0	4.5	2-40	S	26.0	27.5	27.7	p p ²
6	*82.0	5.3		1.5	3.5	4-10	S	24.9	27.1	27.6	p p ²
7	107.5	4.4	0.1	2.0	4.5	4-30	S	25.0	27.0	27.6	p p ²
8	132.0	6.6		3.5	3.0	*1-20	S	25.3	26.9	27.6	p p ²
9	84.5	5.7		4.5	4.0	2-50	S	25.0	27.0	27.4	p p ²
10	122.0	6.3		3.0	4.0	6-45	S	24.4	26.8	27.3	p p ²
11	92.5	5.6		2.5	3.5	3-00	S	24.4	26.8	27.4	p p ²
12	98.5	5.7		1.5	3.0	2-05	S	25.0	26.6	27.3	p p ²
13	134.5	*3.3	0.3	3.5	3.5	2-55	S	25.4	26.9	27.3	p p ²
14	205.5	6.7	*0.6	4.0	4.0	2-50	S	25.0	26.7	27.1	p p ²
15	*311.0	*10.0		4.0	4.0	5-30	L	24.9	26.6	27.2	p p ²
16	122.5	8.4		3.0	4.0	6-30	S	23.8	26.2	27.1	p p ²
17	136.0	6.7		3.0	4.0	7-05	S	23.7	26.3	27.2	p p ²
18	160.0	6.9		3.0	2.0	6-45	S	23.7	26.1	27.0	p p ²
19	133.0	6.9		4.0	2.5	8-10	S	23.8	26.3	27.0	p p ²
20	171.0	7.2		4.0	3.5	8-45	S	23.7	26.1	26.9	p p ²
21	170.0	9.3		2.0	3.5	6-00	S	23.9	26.3	26.9	p p ²
22	227.0	9.3		2.0	3.5	5-50	L	*23.2	*25.8	26.8	p p ²
23	250.5	9.4		3.5	2.0	9-00	S	23.4	26.0	26.8	p p ²
24	206.0	7.7		4.0	3.0	4-35	S	23.6	*25.8	26.8	p p ²
25	176.5	6.0		4.0	3.5	7-30	S	23.9	26.0	26.9	p p ²
26	151.0	7.7		2.0	3.5	6-20	S	23.9	*25.8	*26.7	p p ²
27	141.0	7.1		2.5	3.5	7-20	S	23.5	26.1	26.8	p p ²
28	112.5	4.8		3.5	2.0	2-05	S	25.1	26.1	26.8	p p ²
Total	4,105.5	186.0	1.0			158-20					
Mean	146.6	6.6	0.0	2.8	3.2	5-39		24.6	26.6	27.2	

ATMOSPHERIC PRESSURE, 700mm +.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	59.60	59.10	58.75	58.60	58.84	59.68	59.96	60.07	60.36	*60.44	59.94	59.50
2-----	59.10	58.90	58.50	58.40	58.42	59.12	59.62	60.17	*60.40	60.30	59.70	59.18
3-----	59.95	59.85	59.80	60.00	60.31	60.93	61.46	61.69	*61.75	61.63	61.07	60.60
4-----	61.10	60.60	60.55	60.55	60.65	61.09	61.65	62.06	62.34	*62.50	62.09	61.50
5-----	61.90	61.30	61.15	61.05	61.46	61.95	62.74	63.01	63.31	63.30	62.73	62.09
6-----	63.10	62.85	62.60	62.90	63.00	63.36	63.60	63.96	*64.15	64.05	63.54	62.62
7-----	62.55	62.30	62.05	62.10	62.11	62.35	62.96	63.19	*63.26	62.91	62.60	61.77
8-----	61.90	61.45	61.25	61.10	61.20	61.48	62.16	62.52	*62.70	62.63	62.18	61.60
9-----	61.20	60.75	60.50	60.45	60.61	61.24	61.50	62.01	*62.11	61.99	61.48	60.84
10-----	61.25	60.75	60.65	60.45	60.48	60.64	61.01	61.46	61.38	61.50	61.13	60.49
11-----	61.15	60.75	60.55	60.50	60.72	61.28	61.71	*62.05	62.04	62.00	61.38	60.67
12-----	60.60	60.15	60.00	60.05	60.12	60.75	61.18	61.26	*61.37	61.33	60.79	60.13
13-----	60.05	59.80	59.75	59.55	59.75	60.10	60.69	60.87	*60.92	60.82	60.19	59.59
14-----	59.20	59.10	58.80	58.85	59.01	59.46	60.06	60.31	*60.72	60.42	59.93	58.99
15-----	59.25	59.05	58.95	59.30	59.54	59.80	60.27	60.61	*61.00	60.96	60.65	59.97
16-----	60.55	60.30	60.00	59.90	60.10	60.64	61.09	61.34	*61.39	61.18	60.58	60.04
17-----	60.15	59.80	59.65	59.55	59.54	60.06	60.54	61.01	*61.20	60.93	60.35	59.59
18-----	59.90	59.40	59.35	59.40	59.49	60.09	60.40	60.49	60.60	60.38	59.93	59.28
19-----	60.30	59.75	59.65	59.50	59.69	60.29	60.64	60.91	61.16	*61.19	60.85	60.05
20-----	59.70	59.60	59.35	59.05	59.25	59.50	60.12	60.40	*60.81	60.72	60.24	59.48
21-----	59.05	58.75	58.45	58.40	58.48	58.94	59.19	59.46	*59.82	59.72	59.32	58.71
22-----	58.85	58.45	58.40	58.40	58.47	58.98	59.42	60.02	60.19	60.23	59.93	59.33
23-----	59.85	59.35	58.90	58.80	59.05	59.60	60.07	60.38	60.02	*60.73	60.37	59.73
24-----	59.95	59.70	59.65	59.65	59.79	60.41	61.05	61.34	*61.42	61.15	60.87	60.18
25-----	60.90	60.90	60.95	61.00	61.17	61.84	62.20	62.55	*62.93	62.91	62.42	61.70
26-----	62.00	61.65	61.60	61.40	61.76	62.14	62.37	62.58	62.83	*62.87	62.47	61.77
27-----	61.90	61.50	61.30	61.25	61.53	61.90	62.42	62.78	*62.87	62.67	62.13	61.49
28-----	60.30	59.80	59.55	59.45	59.76	60.45	60.99	61.19	*61.37	61.13	60.51	60.02
29-----	60.05	59.55	59.30	59.35	59.75	60.16	60.59	60.97	*61.11	60.76	60.34	59.74
30-----	59.60	59.35	59.25	59.20	59.40	59.79	60.28	60.85	*61.07	60.90	60.49	59.99
31-----	60.05	59.95	59.60	59.70	60.15	60.70	61.25	61.74	61.79	*61.82	61.46	60.63
Mean	60.48	60.15	59.96	59.93	60.12	60.60	61.07	61.40	*61.58	61.49	61.02	60.36

TEMPERATURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	22.9	22.3	21.6	21.3	21.1	*20.6	21.7	25.4	27.1	27.2	27.1	28.3
2-----	25.3	25.2	25.2	25.1	23.8	*22.9	24.1	26.5	26.6	28.7	28.8	29.6
3-----	25.0	24.9	24.7	24.5	24.3	*23.7	24.6	26.7	27.5	27.7	27.9	28.8
4-----	23.6	23.3	23.1	22.9	22.4	*20.7	22.1	25.7	28.3	26.7	27.8	28.2
5-----	22.9	22.8	21.8	21.7	*20.7	20.8	20.9	25.1	26.2	26.7	27.2	27.7
6-----	21.3	21.0	20.8	20.5	19.6	*19.2	20.4	24.7	25.9	25.9	26.6	27.8
7-----	22.1	21.9	21.8	21.3	*20.4	20.9	21.2	25.9	26.0	27.0	28.5	30.2
8-----	23.1	22.9	22.6	22.4	20.9	*20.6	21.2	22.9	25.1	28.2	27.8	27.8
9-----	23.3	22.3	21.8	21.7	21.3	*20.1	21.2	25.0	25.3	26.7	28.2	28.9
10-----	24.0	23.6	22.8	22.2	21.4	*21.2	22.7	25.8	26.8	27.3	28.8	29.3
11-----	24.5	24.1	23.8	23.4	*23.2	*23.2	23.7	26.6	28.9	28.9	30.1	31.1
12-----	25.7	25.6	25.6	25.6	25.5	24.8	*24.6	24.9	26.5	28.6	28.9	29.3
13-----	24.9	24.7	24.5	24.2	23.9	*23.8	24.2	25.3	27.6	28.8	28.8	29.6
14-----	24.9	24.4	23.5	22.9	21.7	*21.3	22.8	26.7	27.1	27.2	28.7	29.7
15-----	24.0	23.5	22.4	21.9	*20.6	*20.6	21.6	25.6	28.4	29.5	28.7	29.4
16-----	24.0	23.7	23.7	23.5	21.2	*21.1	21.7	25.6	28.9	30.0	28.8	29.5
17-----	24.3	23.7	22.3	21.6	21.1	*20.6	21.7	25.6	27.0	26.7	28.4	29.1
18-----	24.8	24.3	23.3	22.7	22.2	*21.3	23.2	27.2	27.9	28.6	28.8	30.1
19-----	23.1	22.3	21.6	21.1	20.6	*20.2	21.1	25.2	27.9	28.7	28.3	28.9
20-----	24.2	23.4	23.0	22.4	21.2	*20.7	21.6	25.5	27.1	27.6	27.8	29.2
21-----	26.0	25.6	25.4	25.2	25.0	*24.3	24.8	28.2	28.9	29.4	29.8	30.7
22-----	26.2	26.0	25.8	25.3	24.9	*24.3	25.7	28.2	29.4	29.3	*30.5	29.4
23-----	25.3	25.0	25.0	24.6	24.2	*23.9	24.8	27.2	29.7	28.3	29.3	29.9
24-----	25.2	24.6	24.2	24.0	23.3	*22.8	24.4	27.2	29.0	30.7	31.1	31.8
25-----	25.1	25.1	24.8	23.9	*22.2	22.8	23.4	26.1	27.4	28.3	30.6	30.7
26-----	26.2	25.7	25.4	25.3	25.2	*24.2	24.8	28.2	29.7	28.6	29.4	30.6
27-----	25.0	24.9	24.8	24.4	23.9	*23.5	24.9	28.2	30.1	29.3	29.4	30.1
28-----	25.7	25.5	25.4	25.3	23.9	*23.1	23.6	27.0	27.9	28.5	29.8	30.1
29-----	25.7	25.6	25.3	24.7	24.5	*23.8	25.1	27.9	29.6	29.1	*32.2	32.1
30-----	23.9	23.2	22.7	21.8	21.2	*21.1	23.4	26.4	27.8	28.9	29.5	29.8
31-----	25.2	24.4	24.0	23.7	23.1	*22.8	23.9	27.7	29.9	29.6	29.4	30.5
Mean	24.4	24.0	23.6	23.3	22.5	*22.1	23.1	26.3	27.8	28.3	28.9	29.6

OBSERVATIONS FOR MARCH, 1902.

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ATMOSPHERIC PRESSURE, 700^{mm} +.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
59.00	58.16	57.76	*57.46	57.68	57.94	58.36	58.70	58.98	59.10	59.20	59.15	59.01
58.08	57.73	*57.64	58.21	58.69	59.32	59.69	59.96	60.18	60.20	60.30	60.25	59.25
59.99	59.22	*59.09	59.24	59.68	60.35	60.79	61.24	61.58	61.55	61.40	61.45	60.61
61.04	60.36	*60.02	60.07	60.41	60.95	61.42	61.80	62.34	62.45	62.40	62.30	61.34
61.60	61.09	60.90	*60.80	61.22	61.61	62.16	62.56	63.03	63.40	63.45	*63.50	62.14
61.94	61.13	60.73	*60.47	60.93	61.42	62.03	62.44	62.69	63.00	63.00	62.85	*62.60
61.09	60.58	*59.87	60.09	60.54	61.08	61.67	62.29	62.55	62.80	62.75	62.60	62.00
60.75	59.99	*59.53	59.54	60.04	60.21	60.87	61.41	61.83	61.90	61.95	61.60	61.33
60.02	59.41	*58.82	59.01	59.27	59.73	60.44	61.03	61.73	61.80	61.90	61.70	60.81
59.67	59.55	59.16	58.99	*58.87	59.29	59.82	60.62	61.15	61.45	61.60	*61.65	60.54
60.01	59.65	*59.23	59.32	59.72	60.05	60.54	60.79	60.97	61.20	61.15	60.80	60.76
59.41	58.69	*58.44	58.63	58.69	59.10	59.55	60.21	60.54	60.60	60.65	60.45	60.11
58.99	58.38	*57.88	58.03	58.11	58.17	58.37	58.82	59.28	59.70	59.95	59.65	59.48
58.06	57.11	*56.71	56.97	57.15	57.49	57.93	58.39	58.88	59.25	59.45	59.50	58.82
58.98	58.47	*58.12	58.23	58.57	59.01	59.47	60.07	60.46	60.60	60.65	60.60	59.69
58.92	58.42	57.96	*57.90	58.17	58.52	59.13	59.54	59.98	60.20	60.30	60.35	59.86
58.97	58.13	*57.72	57.76	58.21	58.29	58.71	59.33	59.58	59.80	59.90	60.05	59.53
58.28	57.81	*57.29	*57.21	57.72	58.37	58.89	59.54	60.09	60.35	60.50	*60.65	59.39
59.16	58.36	*57.85	57.88	58.21	58.46	58.96	59.63	60.12	60.20	60.20	59.85	59.70
58.63	57.80	57.52	*57.45	57.83	58.36	58.56	58.84	59.36	59.70	59.65	59.35	59.22
57.80	57.30	*56.79	56.86	57.11	57.37	58.02	58.55	59.00	59.20	59.25	59.00	*58.52
58.72	58.17	*57.82	*57.56	57.81	58.13	58.88	59.29	59.86	60.15	*60.35	60.10	59.06
58.99	58.31	57.91	*57.72	57.90	58.17	58.50	59.02	59.65	60.15	60.35	60.20	59.35
59.45	58.77	58.32	*58.21	58.41	58.91	59.34	59.78	60.43	60.90	61.15	61.00	59.99
60.86	60.10	*59.71	59.77	59.96	60.47	60.87	61.37	61.98	62.40	62.65	62.50	61.42
60.93	60.10	*59.45	59.49	59.63	60.10	60.61	61.08	61.54	61.95	62.20	62.20	61.45
60.66	59.87	59.42	59.15	*59.10	59.20	59.82	60.43	60.97	61.20	61.10	60.90	61.06
58.79	57.92	57.75	*57.53	57.88	58.31	58.87	59.35	59.72	60.05	60.30	60.30	59.64
59.03	58.31	58.05	*57.97	58.25	58.59	59.24	59.68	59.99	60.20	60.25	59.75	59.62
59.26	58.56	58.13	*57.86	58.08	58.56	59.03	59.56	60.02	60.45	60.60	60.40	59.61
59.91	59.46	*59.07	59.17	59.26	59.97	60.46	61.03	61.36	61.75	61.60	61.45	60.56
59.58	58.93	58.54	*58.53	58.81	59.21	59.71	60.20	60.64	60.89	60.97	60.84	60.21

TEMPERATURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
28.9	*29.8	29.2	29.3	*29.8	28.7	27.4	27.1	26.1	25.5	25.4	25.3	25.8
*30.1	29.4	29.5	28.9	28.1	27.2	26.5	26.1	26.0	25.4	25.2	25.2	26.6
28.7	*30.6	29.9	29.2	28.1	26.7	25.7	25.3	24.9	24.7	24.3	24.0	26.4
28.4	*29.8	28.2	28.9	27.4	26.1	25.0	24.4	23.9	23.8	23.6	23.4	25.3
27.5	*29.1	27.2	27.1	26.1	25.3	23.9	23.2	22.8	22.4	22.2	21.8	*24.3
28.8	29.7	29.4	*29.8	28.8	27.1	25.4	24.1	23.5	23.0	22.6	22.2	24.5
30.0	*30.5	29.7	28.4	27.6	26.7	24.9	23.7	23.6	23.3	23.4	23.3	25.1
28.8	29.6	29.9	*30.2	29.1	27.8	25.7	24.5	24.9	24.7	24.0	23.9	25.4
29.8	31.3	*31.5	30.6	29.8	28.1	26.9	26.3	26.0	25.5	25.1	24.5	25.9
29.1	25.9	27.8	28.6	*29.5	27.3	26.3	25.6	25.3	25.0	24.7	24.7	25.7
31.4	*31.6	31.1	30.4	28.9	28.3	27.7	26.7	26.7	26.5	26.1	25.8	27.2
30.1	*31.1	29.7	29.3	29.2	28.1	27.2	26.5	26.3	25.7	25.5	25.2	27.1
30.1	30.6	*32.1	28.7	29.2	27.9	27.3	26.8	26.5	25.9	25.5	25.2	26.9
*32.1	*32.1	31.9	31.4	31.1	28.9	27.7	26.1	25.6	25.2	24.8	24.3	26.8
31.4	*32.0	31.8	31.8	30.8	29.3	27.3	26.3	25.9	25.6	25.2	24.8	26.6
*31.8	31.6	31.2	30.9	29.9	28.8	27.3	26.6	25.9	25.3	25.0	24.4	26.7
29.8	31.1	*32.6	32.2	30.5	28.9	27.8	27.2	26.5	26.1	25.7	25.2	26.5
*32.3	32.2	32.1	31.9	31.1	29.6	28.3	27.2	26.1	25.5	25.0	24.7	27.1
30.7	*32.1	31.6	31.2	30.6	29.3	27.8	26.6	26.1	25.6	25.4	24.8	26.3
30.8	*33.3	33.1	33.2	31.1	29.1	28.3	27.8	27.7	27.5	27.1	26.5	27.0
32.2	32.2	32.0	*32.3	28.8	28.1	27.7	27.3	27.2	26.8	26.6	26.2	*27.9
30.1	30.0	30.4	29.9	29.3	28.5	27.6	27.2	26.7	26.5	26.4	26.1	27.7
31.3	31.2	32.8	*33.1	31.7	29.6	28.2	27.2	26.8	26.6	26.2	25.8	27.8
32.0	*32.5	32.2	31.2	30.3	29.3	28.3	27.7	26.9	26.8	26.2	25.4	27.8
31.9	31.7	*32.1	31.1	29.9	29.3	28.3	27.4	27.0	26.8	26.7	26.4	27.5
31.6	32.1	*32.3	31.5	30.1	28.8	27.9	27.0	26.2	25.5	25.3	25.2	27.8
31.1	31.6	31.6	31.1	*32.1	29.7	28.2	27.2	26.7	26.7	26.5	26.1	27.8
32.2	*33.1	31.3	31.7	31.3	29.8	27.8	27.3	27.0	26.7	26.4	25.9	27.8
31.2	*32.2	*32.2	31.7	30.7	29.4	27.4	25.9	25.1	24.8	24.7	24.4	27.7
30.3	31.1	31.7	*31.9	31.4	29.9	28.2	27.3	27.1	26.8	26.3	25.7	27.0
32.1	32.8	*33.2	32.7	31.6	29.8	28.3	27.2	26.3	25.8	25.1	24.6	27.7
30.5	*31.1	31.0	30.7	29.8	28.4	27.2	26.3	25.9	25.5	25.2	24.9	26.7

RELATIVE HUMIDITY.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	89.5	92.0	94.0	*95.0	94.0	93.5	91.0	79.0	73.0	75.0	78.0	74.5
2-----	88.0	88.0	88.0	87.0	91.0	*95.0	90.0	78.0	79.0	71.0	73.0	70.5
3-----	*80.0	79.0	74.0	73.0	74.0	77.0	73.0	67.0	66.0	63.0	63.0	63.0
4-----	77.0	79.0	80.0	81.0	83.0	*88.0	82.0	69.0	60.0	69.0	66.0	63.0
5-----	72.0	71.0	75.0	76.0	*83.0	82.5	82.0	69.0	62.5	62.0	59.0	60.0
6-----	76.0	77.0	79.0	81.0	*88.0	87.0	83.0	73.0	69.0	67.0	63.0	56.0
7-----	77.0	79.0	80.0	80.0	*85.0	84.0	84.0	67.0	70.0	64.0	65.0	47.0
8-----	75.0	76.0	77.0	77.0	86.0	*87.0	85.0	84.0	76.0	65.5	73.0	70.5
9-----	73.0	80.0	84.0	85.0	87.0	*91.0	85.0	73.0	73.0	67.0	61.0	61.0
10-----	78.0	79.0	80.0	82.0	86.5	88.0	83.0	74.0	73.0	73.0	*69.0	*69.0
11-----	82.0	81.5	82.0	*83.0	*83.0	81.0	80.0	66.0	63.0	63.0	64.0	48.0
12-----	75.0	75.0	78.0	77.0	77.5	79.0	81.0	*82.0	75.0	65.0	69.0	68.0
13-----	81.0	83.0	82.0	84.0	*86.0	85.0	84.0	82.0	74.0	71.0	71.0	66.5
14-----	83.0	79.0	83.0	85.0	*94.0	*94.0	85.0	75.0	72.0	73.0	69.0	67.0
15-----	79.0	80.0	84.0	83.0	*89.0	*89.0	80.0	69.0	57.0	60.0	63.0	61.0
16-----	84.0	86.0	*87.0	*87.0	86.0	85.0	86.0	73.0	59.0	56.0	68.0	48.5
17-----	74.0	74.0	78.0	82.0	*83.5	83.0	82.0	71.0	70.0	73.0	66.0	62.0
18-----	77.0	77.0	80.0	83.0	86.0	*89.0	80.0	69.0	66.0	67.0	67.0	60.0
19-----	79.5	77.0	78.0	81.0	84.0	*87.0	80.0	72.0	63.0	61.0	64.0	63.0
20-----	71.0	73.0	74.0	77.0	84.0	*86.0	84.0	71.0	68.0	69.0	70.5	66.0
21-----	83.0	84.0	84.0	85.0	86.0	*88.0	87.0	75.0	72.0	71.0	71.0	68.0
22-----	86.0	88.0	88.0	*92.0	*92.0	91.0	85.0	75.0	72.0	70.0	68.0	68.0
23-----	82.0	83.0	83.0	83.0	*86.0	*86.0	83.0	75.0	71.0	76.0	73.0	71.0
24-----	80.0	82.5	85.0	86.0	86.0	*89.0	82.0	70.0	56.0	57.0	55.0	54.0
25-----	76.0	78.0	78.0	80.0	*87.0	81.0	81.0	77.0	68.0	64.0	56.0	57.0
26-----	76.0	78.0	80.0	80.0	80.0	82.0	*83.0	66.0	55.0	67.0	65.0	63.0
27-----	79.5	79.0	79.0	81.0	81.0	*84.0	78.0	67.0	60.0	67.0	66.0	60.0
28-----	74.0	74.5	76.0	75.0	81.0	*84.0	83.0	72.0	67.0	66.0	61.0	62.0
29-----	70.0	71.0	69.0	72.0	72.0	*73.0	72.0	63.0	56.0	64.0	50.5	56.0
30-----	71.0	74.0	76.0	81.0	84.0	*85.0	76.0	68.0	65.0	60.0	61.0	62.0
31-----	72.0	75.0	77.0	78.0	80.0	*82.0	81.0	68.0	58.5	64.0	64.0	60.0
Mean	78.1	79.1	80.4	81.7	84.7	*85.7	82.3	72.2	66.7	66.5	65.5	62.1

VAPOR PRESSURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	18.6	18.4	18.0	17.8	17.4	*16.9	17.6	19.0	19.5	20.1	20.7	21.4
2-----	21.0	21.1	21.1	20.5	19.8	19.6	20.0	20.0	20.4	20.9	21.4	*21.7
3-----	*18.9	18.6	17.1	16.7	16.6	16.8	16.8	17.3	17.9	17.4	17.7	18.5
4-----	16.7	16.7	16.9	16.8	16.8	16.0	16.3	17.0	17.2	18.0	*18.3	18.1
5-----	14.7	14.7	14.6	14.7	15.1	15.1	15.0	16.3	15.8	16.2	15.9	16.5
6-----	14.3	14.3	14.4	14.5	14.9	14.5	14.8	16.9	*17.1	16.7	16.3	15.5
7-----	15.3	15.4	15.5	15.1	15.2	15.5	15.7	16.7	17.6	16.9	*18.8	15.0
8-----	15.8	15.8	15.6	15.6	15.9	15.7	16.0	17.5	18.1	18.6	*20.2	19.7
9-----	*15.5	16.0	16.3	16.4	16.4	16.0	16.0	17.3	17.4	17.5	17.3	18.0
10-----	17.4	17.1	16.5	*16.4	*16.4	16.5	17.1	18.2	19.1	19.5	20.4	20.9
11-----	18.7	18.2	18.0	17.7	17.5	17.1	17.4	17.0	18.6	18.6	*20.2	16.1
12-----	18.5	18.3	18.9	18.7	18.8	18.5	18.6	19.1	19.3	19.0	20.5	20.5
13-----	19.0	19.1	18.8	18.8	19.0	*18.6	18.8	19.6	20.4	21.0	20.8	20.5
14-----	19.3	18.0	17.8	17.7	18.1	17.6	17.6	19.5	19.1	19.6	20.1	20.6
15-----	17.5	17.1	17.0	16.2	16.0	16.0	15.4	16.9	16.4	18.4	18.3	*18.6
16-----	18.6	18.8	19.0	18.7	16.2	15.9	16.5	17.8	17.6	17.7	*20.0	*14.8
17-----	16.8	16.2	15.6	15.7	15.6	*15.0	15.8	17.2	18.6	19.0	19.1	18.4
18-----	17.9	17.3	17.1	17.1	17.1	*16.8	17.0	18.5	18.4	19.5	*19.6	19.0
19-----	16.7	15.3	14.9	15.1	15.2	15.3	14.9	17.1	17.7	17.9	18.4	18.8
20-----	16.0	15.7	*15.4	15.6	15.7	15.6	16.1	17.3	18.2	19.0	19.6	19.8
21-----	20.8	20.4	20.4	20.3	20.2	19.9	20.2	21.3	21.4	21.6	22.1	22.2
22-----	21.8	*21.9	21.6	*21.9	21.4	20.6	20.9	21.3	21.8	21.1	*21.9	20.8
23-----	19.6	19.4	19.4	19.2	19.4	*19.0	19.4	20.2	21.9	21.7	22.1	22.4
24-----	19.0	18.9	19.0	*19.2	18.3	18.5	18.7	18.8	*16.6	18.6	18.6	18.9
25-----	18.1	18.5	18.1	17.6	17.2	*16.7	17.4	19.4	18.6	18.4	18.3	18.6
26-----	19.3	19.2	19.3	19.1	19.0	18.5	19.2	18.8	*17.1	19.6	19.9	*20.5
27-----	18.7	18.6	18.5	18.3	*17.9	18.0	18.2	19.0	19.2	20.3	20.2	19.2
28-----	18.1	18.0	18.3	18.0	17.8	17.6	18.0	19.0	18.6	19.2	19.0	*19.8
29-----	17.2	17.2	16.6	16.6	16.5	16.1	17.0	17.5	17.4	19.2	18.1	*20.0
30-----	15.7	*15.6	*15.6	15.8	15.7	15.9	16.3	17.5	17.9	17.8	18.6	19.3
31-----	17.2	17.1	17.0	17.0	16.9	16.9	17.8	18.7	18.4	*19.7	19.4	19.5
Mean	17.8	17.6	17.5	17.4	17.2	*17.0	17.3	18.3	18.5	19.0	*19.4	19.1

OBSERVATIONS FOR MARCH, 1902.

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RELATIVE HUMIDITY.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
67.0	70.0	73.0	70.0	59.0	*58.0	70.0	72.5	82.0	86.0	87.0	88.0	*79.6
68.0	71.0	*66.0	67.0	70.0	74.0	76.0	78.0	79.0	82.0	83.0	81.0	78.9
63.0	55.0	*52.0	60.0	58.0	64.0	68.0	67.0	69.0	69.0	72.0	74.0	67.6
64.0	56.0	54.0	*51.0	54.0	60.0	65.0	67.0	68.0	68.0	67.0	68.0	68.3
61.5	*56.0	67.0	69.0	62.0	64.0	68.0	72.0	71.0	72.0	72.0	74.0	69.3
55.0	53.5	53.0	*49.0	51.0	53.0	63.0	67.5	70.0	71.0	74.0	76.5	68.1
47.0	*46.0	*46.0	50.0	52.0	55.5	64.0	73.0	75.0	75.0	74.0	75.0	67.3
67.0	53.0	53.0	*48.0	50.5	53.5	65.0	68.0	64.0	66.0	70.0	71.0	69.2
61.0	57.0	*50.5	51.0	55.0	69.0	72.0	72.0	70.0	73.0	73.0	75.0	70.8
71.0	*91.0	81.0	78.0	73.0	74.0	73.0	79.0	80.0	81.0	83.0	82.0	78.4
47.5	*47.0	*47.0	49.0	55.0	56.0	60.0	69.0	63.0	70.0	73.0	75.0	66.2
65.0	64.0	71.0	63.0	*58.5	60.0	73.0	75.0	76.0	79.0	80.5	81.0	72.8
69.0	67.0	*61.0	71.0	66.0	71.0	74.0	76.0	76.0	78.0	80.5	83.0	75.9
49.0	*47.0	48.5	50.0	*47.0	57.0	63.0	74.0	78.0	77.0	78.0	79.0	71.1
48.5	46.0	*43.0	44.0	46.0	57.0	68.0	70.0	75.0	76.0	78.0	79.0	67.7
50.0	50.0	50.0	*47.5	54.0	54.5	63.0	66.0	68.0	70.0	70.0	74.0	67.6
61.5	61.0	56.5	*53.0	58.0	64.0	70.0	74.0	76.0	76.0	77.0	77.0	70.9
51.0	49.0	*47.0	48.0	52.0	60.0	63.5	69.0	74.0	76.0	77.0	76.0	68.5
55.0	47.0	47.0	*43.0	47.0	55.0	64.0	71.0	69.0	71.0	71.0	74.0	66.8
60.0	*49.0	50.0	53.0	61.0	75.0	76.0	79.0	79.0	80.0	81.0	82.5	71.6
63.0	59.0	*55.0	57.0	81.0	83.0	81.0	86.0	83.5	85.0	85.0	86.0	77.4
*60.0	67.0	64.0	66.0	65.0	61.0	65.0	72.0	77.0	79.0	79.0	78.0	75.3
66.0	66.0	61.0	*54.0	58.0	66.0	72.0	75.0	77.0	78.0	78.0	79.0	74.2
53.0	51.0	*50.5	54.0	56.0	58.0	63.5	67.0	73.0	71.5	71.0	74.0	67.7
53.0	*52.0	*52.0	57.0	63.0	66.0	68.0	73.0	76.0	77.0	76.0	77.0	69.7
52.0	*50.0	*50.0	50.5	59.0	64.5	67.0	71.0	74.0	79.0	80.0	80.0	68.8
59.0	*56.0	57.0	59.5	58.0	64.5	65.0	70.0	70.0	70.0	70.5	71.0	68.8
52.0	50.0	57.0	*46.0	*46.0	52.0	67.0	63.0	63.0	64.0	66.0	69.0	65.4
55.0	51.0	42.0	*41.0	44.0	50.0	58.0	63.0	65.0	67.0	68.0	71.0	*61.0
62.0	60.0	60.0	58.0	58.0	*52.5	60.0	61.0	63.0	65.0	67.5	71.0	66.7
50.0	40.5	*35.0	39.0	41.0	46.0	54.0	57.0	63.0	66.0	70.0	71.0	62.2
58.3	56.1	54.8	*54.7	56.7	61.2	67.1	70.9	72.5	74.1	75.2	76.5	70.1

VAPOR PRESSURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
19.9	21.8	*21.9	21.3	18.4	17.0	19.1	19.3	20.5	20.9	20.9	21.0	19.5
21.6	21.6	20.1	19.7	19.8	19.8	19.5	19.5	19.8	19.8	19.7	*19.3	20.3
18.4	18.0	16.3	18.2	16.5	16.6	16.7	*16.0	16.1	*16.0	16.3	16.5	17.2
*18.3	17.5	15.3	15.1	14.7	15.2	15.4	15.2	15.0	14.9	*14.5	14.6	16.3
16.8	16.8	17.9	*18.4	15.7	15.3	15.0	15.3	14.7	14.6	14.4	*14.3	15.6
16.2	16.5	16.2	15.4	14.9	*14.2	15.3	15.0	15.1	14.9	15.1	15.2	*15.3
14.7	15.0	14.4	*14.3	*14.3	14.5	15.1	16.0	16.2	16.1	15.8	15.9	15.6
19.8	16.3	16.6	15.3	15.1	*14.8	16.0	15.7	15.1	15.2	15.6	15.7	16.5
19.0	*19.4	17.3	16.7	17.1	*19.4	19.0	18.3	17.6	17.7	17.4	17.1	17.3
21.2	*22.6	22.4	*22.6	22.4	19.9	18.6	19.3	19.3	19.1	19.1	18.9	19.2
16.2	16.1	*15.7	16.0	16.1	16.1	16.5	18.0	16.4	18.0	18.2	18.4	17.4
20.6	21.6	*21.9	19.1	17.6	*17.0	19.4	19.3	19.2	19.4	19.5	19.3	19.3
*21.9	21.7	21.6	20.7	19.8	19.9	19.9	19.9	19.5	19.3	19.5	19.7	19.9
17.6	16.8	17.1	17.2	*15.7	16.9	17.4	18.6	18.9	18.4	18.1	17.9	18.2
16.6	16.1	*15.1	15.3	15.3	17.2	18.5	17.7	18.5	18.5	*18.6	18.5	17.1
17.5	17.3	17.0	15.8	17.0	16.1	16.9	17.0	16.9	16.7	16.4	16.8	17.2
19.2	*20.6	*20.6	18.9	19.0	18.9	19.5	19.8	19.5	19.1	18.9	18.4	18.1
18.2	17.5	*16.8	16.9	17.6	18.5	18.2	18.5	18.6	18.4	18.2	17.6	17.9
18.1	16.6	16.1	*14.5	15.5	16.6	17.7	18.3	17.5	17.4	17.2	17.2	16.7
19.7	18.6	18.7	20.1	20.6	*22.4	21.7	21.8	21.9	21.8	21.5	21.3	18.9
22.4	21.1	*19.6	20.4	*23.8	23.4	22.3	23.1	22.4	22.2	21.9	21.8	*21.5
19.2	21.0	20.6	20.7	19.7	*17.7	17.8	19.2	20.1	20.3	20.1	19.5	20.5
*22.6	22.2	22.5	20.4	20.2	20.3	20.4	20.0	20.1	20.2	19.7	19.5	20.5
18.8	18.5	18.1	18.1	18.1	17.5	18.2	18.5	*19.2	18.7	18.0	17.7	18.4
18.5	18.0	18.5	19.1	19.7	*20.1	19.3	19.7	*20.1	*20.1	19.8	19.8	18.7
17.9	17.7	18.0	17.3	18.6	19.0	18.6	18.8	18.7	19.1	19.3	19.0	18.8
19.8	19.5	19.9	19.9	*20.8	20.0	18.4	18.7	18.2	18.2	18.1	*17.9	19.0
18.5	18.8	19.3	15.9	*15.6	16.3	18.7	16.9	16.7	16.8	16.8	17.1	17.9
18.5	18.3	14.8	*14.4	14.5	15.3	15.8	15.6	15.3	15.6	15.9	16.1	16.6
19.9	20.2	*20.8	20.5	19.8	16.4	17.1	16.4	16.7	17.1	17.2	17.4	17.6
18.0	15.0	*13.1	14.3	14.1	14.5	15.4	15.4	15.9	16.3	16.5	16.3	16.7
18.9	18.7	18.2	17.8	17.7	17.6	18.0	18.1	18.1	18.1	18.0	17.9	18.1

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

UPPER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1		Ci.	Ci. ESE.			
2	Ci. s. S.	Ci. s.		Ci. s.	Ci. s.	Ci. s.
3	Ci. s.	Ci. s. S. by W.	A. cu. SE. by S.	Ci. s. S. by W.	Ci. s.	Ci. s.
4	Ci. s.					
5					Ci. cu.	Ci. cu.
6			Ci.	Ci.	Ci.	Ci.
7	Ci.	Ci.	A. cu.			
8			A. cu.	A. cu.	A. cu.	A. cu.
9						
10	Ci. s.	Ci.	Ci.			
11	Ci. S. by W.	Ci.	Ci.	Ci. s.	Ci. cu. SW. by S.	Ci. s.
12	A. cu.		Ci. s.	A. cu. E. by S.	Ci. s. E. by S.	Ci. s.
13	A. cu.	A. cu.	A. cu.	A. cu.	A. cu.	A. cu.
14	Ci.	Ci.	Ci.			
15	Ci. s.	Ci. s.	Ci.	Ci. SW.	Ci.	Ci.
16	Ci. SW. by S.	Ci.	Ci.	Ci.	Ci.	Ci. s.
17	Ci. s. SSE.	Ci. s.	Ci. s. S.	Ci.	Ci.	Ci.
18	Ci.	Ci.	Ci.	Ci.	Ci. s.	Ci. s.
19	Ci.	Ci.	Ci.	Ci.	Ci.	Ci.
20	Ci. s.	Ci.	Ci.	Ci. s.	Ci.	Ci. s.
21	Ci. SW.	Ci.	Ci. SSW.	Ci.	Ci.	Ci.
22	Ci.					
23	Ci. s.	A. cu.				
24						
25		A. cu. NE.		A. cu.	A. cu.	
26	A. cu. ENE.					
27	A. cu.	A. cu.	A. cu. NE. by E.	A. cu.	A. cu.	
28	A. cu.	A. cu.				
29						
30			Ci.			
31		Ci.	Ci.			Ci.

LOWER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Fr. cu. ENE.	S. cu.	S. cu. ENE.	Cu. ENE.	Cu. E. by N.	Cu. E. by N.
2	S. cu. ENE.	S. cu. NE. by E.	S. cu. ENE.	Cu. ENE.	N. cf. ENE.	Cu. ENE.
3	S. cu.	Cu. E.	Cu. E. by S.	Cu. E. by S.	Cu. E. by S.	Cu.
4	S. cu.	Cu.	Cu.	Cu. E. by N.	Cu. E. by N.	Cu.
5	S. cu.	Cu.	Fr. cu.	Fr. cu. E. by N.	S. cu. E. by N.	Cu. E. by N.
6			S. cu.	Fr. cu. ENE.	Fr. cu. ENE.	Cu.
7	Cu.	Cu.	Cu. ENE.	Cu. E. by N.	S. cu. E. by N.	S. cu.
8	S. cu.	S. cu.	S. cu. ENE.	S. cu. ENE.	S. cu. ENE.	S. cu. ENE.
9	S. cu.	S. cu.	Cu.	Cu.	Cu. ENE.	Cu.
10	S. cu.	Cu.	Cu.	Fr. cu. E. by N.	S. cu. E. by N.	S. cu. E. by N.
11	S. cu. E. by N.	S. cu.	Fr. cu. E. by N.	S. cu.	Fr. cu. E.	Fr. cu.
12	Cu. N. NE. by E.	Cu. N. ENE.	Cu. N. ENE.	Cu.	Cu.	N. cf. ENE.
13	S. cu.	S. cu.	S. cu. ENE.	S. cu. ENE.	S. cu. ENE.	S. cu.
14	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
15	Cu.	Cu.	Cu.	Fr. cu. E. by S.	Cu.	Cu.
16	Cu.	Cu.	Cu.	Cu. E.	Cu. E.	Cu.
17	Cu.	Cu.	Cu.	Cu. E.	Cu. E.	Cu. E.
18	Cu.	Cu.	Cu. E.	Cu.	Cu. E.	Cu.
19	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
20	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
21	S. cu.	S. cu.	Fr. cu. E. by S.	Fr. cu.	Fr. cu. E. by S.	Cu.
22	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
23	S. cu.		Cu. E.	S. cu.	S. cu. E.	S. cu.
24	Cu.	Cu.	Cu.	Cu. E.	Cu. E.	Cu.
25	Cu. NE.	Cu. NE.	S. cu.	S. cu. NE. by E.	Cu.	Cu.
26	Cu.	S. cu.	Fr. cu. E. by N.	Cu. E. by N.	Cu. ENE.	Cu.
27	Cu.	Cu.	Cu.	Cu. ENE.	Cu. ENE.	Cu.
28	S. cu.	Cu. ENE.	S. cu. ENE.	Cu. ENE.	Cu. ENE.	Cu.
29	S. cu.	S. cu.	Cu. E. by N.	Cu. E. by N.	Cu.	Cu.
30	S. cu.	Cu.	Cu.	Cu.	Cu. ENE.	Cu. E. by N.
31	Cu.	Cu.	Cu. ENE.	Fr. cu. E. by N.	Fr. cu. E. by N.	Cu.

OBSERVATIONS FOR MARCH, 1902.

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UPPER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Ci. s.	Ci. s.	Ci. cu.	Ci. s.	A. cu. E.	Ci. s.
A. cu.	A. cu. NNE.	Ci. cu.	A. cu. S. by W.	A. cu. ESE.	A. cu. S. by W.
A. cu.	A. cu.	A. cu.	A. cu. NE. by N.	Ci. cu.	Ci.
Ci.	Ci.	Ci.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci.	Ci. s.	Ci. s.	Ci.	Ci.
A. cu.	A. cu.	Ci.	Ci.	Ci.	Ci.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	A. cu.	Ci. s.
Ci. cu.	Ci. s.	A. cu.	Ci. s.	A. cu.	A. cu.
A. cu.	Ci.	Ci.	Ci.	Ci.	Ci.
Ci.	Ci. s. SSW.	Ci. s.	Ci. s. SW.	Ci. s. SW.	Ci. s.
Ci. s.	Ci.	Ci.	Ci. s.	Ci.	Ci. s.
Ci.	Ci.	Ci.	Ci.	Ci.	Ci. s.
Ci.	Ci.	Ci. s.	Ci.	Ci. s.	Ci. s.
Ci. s.	Ci. s.	Ci.	Ci.	Ci.	Ci. s.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
A. cu.	A. cu.	A. cu.		A. cu.	Ci.
	A. cu.	A. cu.		Ci.	
Ci.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.

LOWER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Cu.	Cu. E. by N.	Cu. ENE.	Cu.	Cu. ENE.	S. cu.
N. cf. ENE.	N. cf. ENE.	N. cf. ENE.	S. cu. ENE.	Cu. ENE.	S. cu.
S. cu.	S. cu. ENE.	S. cu. ENE.	S. cu. ENE.	S. cu. ENE.	S. cu.
S. cu. ENE.	S. cu. NE by E.	Cu. N.	Cu.	Cu. N. by E.	Cu.
S. cu. E. by N.	S. cu.	S. cu. E. by N.	S. cu. E. by N.	S. cu.	S. cu.
Cu.	Cu.	Cu. NE.	Cu. NE.	Cu.	S. cu.
Cu.	Cu. NE. by E.	N. cf. ENE.	S. cu. NE. by E.	S. cu.	Cu.
S. cu. ENE.	Cu. E. by N.	Fr. cu. E.	S. cu. E.	S. cu.	S. cu.
Cu.	Cu. ENE.	Cu. ENE.	Cu.	Cu.	Cu.
S. cu. E. by N.	Cu. N. E.	Cu.	Cu. E.	Cu. N. E.	Cu. N.
Cu.	Cu. E. by N.	Cu. E.	Cu.	S. cu.	S. cu.
Cu. ENE.	Cu.	N. cf. NNE.	N. cf. NE. by E.	S. cu. NE.	S. cu.
Cu. NE. by E.	Cu.	N. cf. ENE.	Cu.	Cu.	Cu. N.
Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
Cu.	Cu.	Cu.	Cu.	S. cu.	S. cu.
Fr. cu. E.	Cu. E.	Cu.	Cu.	Cu.	S. cu.
Cu.	Cu.	Cu.	Cu.	Cu.	S. cu.
Cu.	Cu.	Cu.	Cu.	Cu.	S. cu.
Cu.	Cu.	Cu.	Cu.	Cu.	S. cu.
Cu.	Cu.	Cu.	Cu.	Cu.	S. cu.
Cu.	Cu. ESE.	Cu.	Cu.	S. cu.	S. cu.
Fr. cu. E. by S.	Fr. cu. NE. by E.	Fr. cu. NNE.	Fr. cu. NNE.	Fr. cu.	S. cu.
Cu.	Cu.	Cu. ENE.	Cu. ENE.	S. cu.	Cu.
S. cu.	S. cu.	S. cu.	S. cu.	S. cu.	S. cu.
Cu.	Cu. ENE.	Cu.	Cu.	Cu.	S. cu.
Cu. ENE.	N. cf. ENE.	N. cf. E. by N.	S. cu. E. by N.	Cu.	Cu.
Fr. cu. NE.	Cu. NE.	Cu. NE.	Cu. NE. by N.	S. cu.	S. cu.
Cu. E.	Cu.	Cu.	Cu.	Cu.	S. cu.
Cu.	Cu. ENE.	Cu. E. by N.	Cu. E. by N.	Cu.	S. cu.
Cu.	Cu.	Cu.	Cu.	Cu.	S. cu.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.
1	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
2	WSW. 2.5	Calm.	Calm.	Calm.	Calm.	Calm.
3	W. 1.0	Calm.	W. by N. 2.0	W. by N. 3.0	Calm.	Calm.
4	Calm.	Calm.	SE. 2.5	ESE. 2.5	SE. by E. 1.0	NE. 1.0
5	ESE. 1.0	Calm.	ESE. 1.0	Calm.	Calm.	Calm.
6	Calm.	Calm.	NNE. 1.5	Calm.	NE. 0.5	ENE. 1.0
7	Calm.	Calm.	Calm.	ESE. 0.5	ESE. 0.5	Calm.
8	Calm.	Calm.	ENE. 1.0	ENE. 1.0	Calm.	Calm.
9	ESE. 1.0	Calm.	Calm.	Calm.	ENE. 0.5	NE. 1.0
10	Calm.	NNE. 1.0	Calm.	Calm.	Calm.	Calm.
11	ESE. 2.0	ESE. 2.0	Calm.	Calm.	Calm.	Calm.
12	Calm.	Calm.	Calm.	Calm.	Calm.	WNW. 3.0
13	Calm.	Calm.	Calm.	Calm.	Calm.	NNE. 1.0
14	Calm.	Calm.	Calm.	Calm.	ESE. 2.0	Calm.
15	ESE. 3.0	ESE. 2.5	E. 1.0	E. 0.5	E. 1.0	E. 0.5
16	SE. 1.0	Calm.	Calm.	Calm.	Calm.	Calm.
17	E. 1.0	E. 3.0	NE. 3.5	NE. 1.5	NE. 2.0	NE. 1.5
18	ENE. 0.5	ENE. 1.0	ENE. 1.0	ENE. 1.0	Calm.	Calm.
19	Calm.	E. 1.5	E. 2.0	E. 0.5	ENE. 1.0	Calm.
20	N. 2.5	N. 1.5	NE. 1.0	Calm.	Calm.	Calm.
21	Calm.	S. 1.5	Calm.	Calm.	Calm.	Calm.
22	S. by W. 1.0	S. by W. 3.0	S. 2.0	Calm.	Calm.	Calm.
23	S. 1.0	Calm.	Calm.	S. 0.5	Calm.	Calm.
24	SSE. 0.5	SSE. 0.5	SSE. 0.5	Calm.	SE. 0.5	ESE. 0.5
25	Calm.	Calm.	Calm.	E. 1.0	E. 1.5	E. 1.0
26	Calm.	Calm.	Calm.	SE. 1.0	Calm.	E. 1.0
27	Calm.	Calm.	Calm.	Calm.	ESE. 1.0	ESE. 0.5
28	ESE. 2.0	Calm.	Calm.	Calm.	E. 1.5	Calm.
29	Calm.	Calm.	Calm.	Calm.	SE. 1.5	Calm.
30	Calm.	NE. 1.0	Calm.	NE. 0.5	NE. 1.0	Calm.
31	Calm.	Calm.	Calm.	Calm.	Calm.	NE. 2.0
Mean	0.6	0.6	0.6	*0.4	0.5	0.5

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
1	WSW. 2.5	WSW. 3.0	W. 1.0	WSW. 1.0	NNE. *4.5	NE. 1.0
2	WSW. 2.5	WSW. 2.5	ESE. 6.0	ESE. 8.5	ESE. *9.0	SE. 6.5
3	WSW. 2.5	ENE. 2.5	ESE. 2.5	WNW. 4.0	E. 3.5	E. 2.5
4	W. 4.0	SSW. 2.0	E. 3.5	E. *7.0	E. 4.0	E. 6.0
5	W. 2.5	W. *4.0	W. 1.0	Calm.	NE. 0.5	E. 2.5
6	W. 3.5	WSW. 3.0	WSW. 3.0	ESE. 1.5	E. 3.5	E. 2.0
7	E. by N. 7.0	E. 5.0	ENE. 9.0	E. by N. 7.0	ENE. 5.0	E. 3.0
8	Calm.	E. 3.5	E. 2.0	E. *5.5	ENE. *5.5	E. 4.5
9	WSW. 3.5	WNW. 2.0	SE. 9.0	SE. 8.0	SE. *10.0	SE. 5.0
10	W. 3.0	SW. 1.5	W. 1.0	WSW. 2.0	W. 1.5	E. 3.5
11	E. 2.5	ENE. 7.0	E. 3.0	E. by S. 7.5	E. 8.0	ENE. 5.0
12	SW. by W. 3.0	W. 0.5	W. 3.0	ESE. *7.5	E. 1.5	E. 3.0
13	SW. 1.0	SSW. 2.0	SSW. 3.0	NE. 2.5	SE. *5.0	SE. 4.0
14	SE. 10.0	SE. 10.0	SE. *12.5	ESE. 5.0	SE. 9.0	ESE. 1.5
15	SE. 8.0	SE. *9.0	SE. 5.0	ESE. 5.0	SE. 2.5	SE. 4.0
16	SE. 5.5	SE. 8.5	SE. *9.0	E. by S. 6.0	ESE. 8.0	ESE. 6.0
17	WSW. 4.0	W. 3.5	WSW. 2.5	SE. 2.0	SE. by E. *6.0	ESE. 3.0
18	SE. 8.0	SE. *9.0	SSE. *9.0	SE. *9.0	SE. *9.0	SSE. 6.0
19	W. 5.0	SE. 8.0	SE. *11.0	SE. 8.0	SE. 9.0	SE. 4.0
20	WSW. 4.5	SE. 1.0	SSE. 2.5	S. 4.5	WSW. 4.5	WSW. 2.5
21	W. 1.5	W. 4.0	W. 3.5	WSW. 4.5	SW. *5.5	SW. 4.5
22	W. 5.0	W. 5.0	WSW. 6.0	SW. by W. 5.0	SW. 6.0	SW. 5.0
23	WSW. 3.5	WSW. 3.0	W. 2.5	SSE. 4.0	SE. 6.0	SE. *7.0
24	ESE. 4.0	SE. 8.0	SE. *10.0	SE. by S. *10.0	SE. *10.0	ESE. 4.0
25	SE. 7.5	SE. 4.5	SE. *9.0	SE. 7.5	ESE. 6.0	SE. 5.0
26	E. 1.5	ESE. 3.5	SE. by E. 5.0	SE. *8.0	SE. by E. 5.5	SE. by E. 6.0
27	W. 2.0	WSW. 1.5	W. 2.5	W. 2.0	SE. by S. *5.0	SE. 4.5
28	ESE. 5.5	SE. *8.5	SE. 4.5	ESE. 4.0	E. 4.0	ESE. 2.5
29	W. by S. 5.0	W. 3.0	ESE. 2.0	E. by S. 4.0	E. by S. *6.0	ESE. 1.5
30	W. 3.5	W. 4.0	Calm.	W. 2.5	W. 1.5	E. *4.5
31	WNW. 4.0	E. 1.5	ENE. 5.0	E. 1.5	ENE. 5.5	ENE. *6.0
Mean	4.0	4.3	4.8	5.0	*5.5	4.1

OBSERVATIONS FOR MARCH, 1902.

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WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
E.	1.0	NNE.	2.0	W.	2.0	WSW.	2.5	WSW.	3.0	WSW.	3.0
WSW.	1.0	WSW.	1.5	WSW.	1.5	W.	1.5	W. by N.	3.0	WSW.	1.5
Calm.		NE.	1.0	W.	1.5	W.	2.5	W.	4.0	W.	*5.5
Calm.		Calm.		Calm.		WNW.	3.0	W.	2.5	WSW.	3.5
Calm.		Calm.		W.	1.5	W.	2.0	W.	3.0	W.	3.0
Calm.		Calm.		SW.	1.5	WSW.	3.5	W.	3.0	W.	*6.0
Calm.		Calm.		NW.	4.0	W.	2.5	SW.	2.5	ENE.	*11.0
NE.	1.0	Calm.		NE.	1.5	SSW.	2.5	WSW.	3.0	WSW.	4.0
Calm.		Calm.		W.	2.5	W.	2.5	WNW.	5.5	W.	1.5
Calm.		Calm.		S.	2.5	WSW.	2.5	WSW.	*4.5	W.	*4.5
NNE.	2.0	ENE.	1.0	NE.	0.5	ENE.	5.0	ENE.	9.0	E.	*10.0
Calm.		NE.	0.5	Calm.		ESE.	1.5	SW.	3.0	WSW.	3.5
NE.	0.5	Calm.		Calm.		SW.	1.5	WSW.	4.5	WSW.	3.0
ESE.	1.0	Calm.		WSW.	2.5	W.	2.0	WSW.	3.5	WSW.	2.0
E.	2.0	E.	2.0	E.	0.5	W.	3.5	W.	4.0	W.	4.0
Calm.		Calm.		E.	0.5	ESE.	1.0	W.	3.5	NW.	5.5
NE.	3.0	Calm.		S.	2.0	WSW.	3.0	W. by N.	4.0	W.	*6.0
Calm.		Calm.		W.	1.5	W.	3.5	W.	2.5	W.	2.5
Calm.		Calm.		Calm.		W.	3.0	W.	5.0	W.	2.5
NE.	1.0	Calm.		WSW.	2.0	W.	4.5	W.	3.5	W.	4.5
E.	2.0	Calm.		Calm.		WSW.	1.5	WSW.	2.5	W.	3.0
Calm.		S.	1.0	SSW.	1.0	WSW.	2.0	WSW.	2.0	W.	5.0
Calm.		Calm.		S.	1.5	W.	3.0	WNW.	3.5	W.	3.0
Calm.		Calm.		E.	2.5	Calm.		S.	2.5	ESE.	3.0
Calm.		Calm.		E.	0.5	E.	2.0	E. by N.	1.5	ESE.	2.0
E.	1.5	SE.	2.5	E.	2.0	WNW.	2.0	WSW.	2.5	WSW.	4.0
Calm.		Calm.		Calm.		WNW.	3.0	W.	2.5	WNW.	*5.0
ESE.	0.5	Calm.		WSW.	2.0	W.	2.5	WSW.	3.5	WSW.	1.5
Calm.		Calm.		NNE.	1.0	WSW.	2.0	S.	1.0	WSW.	3.0
Calm.		NE.	0.5	W.	1.5	W.	3.0	W.	2.5	W.	4.0
NNE.	1.5	Calm.		Calm.		WSW.	3.5	WSW.	2.0	S.	3.0
0.6		*0.4		1.3		2.5		3.3		4.0	

7 p.		8 p.		9 p.		10 p.		11 p.		12 p.		Mean.
NE. by E.	1.0	Calm.		ESE.	0.5	Calm.		Calm.		Calm.		*1.2
ESE.	4.0	ESE.	4.0	SE.	4.0	E.	1.5	E.	0.5	E.	1.0	2.6
E.	2.0	ESE.	3.5	SE.	3.5	SE. by E.	3.0	SE.	2.0	ESE.	1.0	2.2
ESE.	2.0	ESE.	3.5	ESE.	3.0	ESE.	3.5	ESE.	3.0	ESE.	1.5	2.5
E.	2.5	ESE.	1.0	ESE.	0.5	Calm.		SE.	2.0	Calm.		*1.2
E.	1.5	E.	2.0	Calm.		ESE.	2.0	ESE.	1.0	ESE.	1.5	1.7
ESE.	2.0	E.	1.5	SSE.	1.0	E.	1.5	E.	1.0	ENE.	1.0	2.7
NE. by E.	2.0	E.	3.5	E.	4.0	E.	2.0	ESE.	1.5	E.	3.0	2.1
SE.	3.0	SE.	2.5	SE.	3.5	SE.	4.0	SE.	3.0	ENE.	1.0	2.9
ESE.	1.5	SE.	2.5	SE.	2.0	ESE.	1.5	SE.	4.0	E.	1.5	1.7
E.	4.0	ESE.	2.0	E.	3.5	ESE.	4.0	ESE.	3.0	Calm.		3.4
ESE.	1.0	ESE.	3.0	ESE.	3.0	E. by S	3.0	E.	1.0	NE.	1.0	1.8
ESE.	2.5	ESE.	2.0	ESE.	3.0	ESE.	1.5	ENE.	0.5	Calm.		1.6
SE.	3.5	SE.	4.0	SE.	3.0	ESE.	4.0	ESE.	5.0	ESE.	3.5	*3.5
ESE.	3.5	SE. by E.	4.5	SE.	3.5	SE.	3.0	SE.	3.0	SE.	3.0	3.3
SE. by E.	8.0	ESE.	5.5	ESE.	5.0	SE. by E.	4.0	E.	6.0	ENE.	1.0	*3.5
SE.	3.0	SE.	2.0	SE.	2.5	ESE.	2.5	ESE.	3.0	ESE.	1.5	2.8
ESE.	4.0	ESE.	2.0	ESE.	2.5	SE.	4.0	SE.	4.0	ENE.	2.0	3.4
SE.	4.0	SE.	4.5	SE.	4.0	SE.	3.5	SE.	2.5	ESE.	1.5	3.4
S.	*5.0	SSW.	2.0	S.	4.5	SSW.	3.5	S.	2.5	Calm.		2.4
SW. by W.	4.0	SSW.	5.0	S.	3.0	S. by W.	2.5	Calm.		S.	2.0	2.1
S. by W.	*7.0	SSW.	4.0	SSW.	3.5	SW.	2.0	SSW.	1.5	S.	1.0	2.8
SE.	4.5	SE.	5.0	SE. by E.	4.5	SSE.	1.0	SSE.	1.0	SSE.	1.0	2.3
SE.	1.5	SE.	2.5	SE.	2.5	SE.	2.5	Calm.		Calm.		2.7
SE. by E.	1.5	SE.	3.0	SE.	3.0	SE.	2.5	Calm.		Calm.		2.5
SE.	4.0	ESE.	1.5	ESE.	0.5	ESE.	1.5	Calm.		Calm.		2.2
SE. by E.	3.0	ESE.	2.0	ESE.	1.0	ESE.	2.0	ESE.	2.0	ESE.	1.0	1.7
ESE.	1.5	ESE.	3.5	ESE.	2.5	Calm.		Calm.		Calm.		2.1
ESE.	2.0	ESE.	2.5	ESE.	3.0	SE.	3.5	SE.	2.5	SE.	2.5	1.9
E.	3.5	ESE.	2.5	ESE.	2.5	ESE.	2.0	ESE.	1.5	ESE.	1.5	1.8
E.	2.5	Calm.		SE. by E.	2.5	ESE.	3.0	Calm.		Calm.		1.8
3.1		2.8		2.7		2.4		1.8		1.1		2.4

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

WIND—FORCE IN KILOMETERS PER HOUR.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	3.0	1.0	3.5	2.0	2.5	4.5	1.5	5.0	8.0	10.0	11.0	11.5
2-----	6.5	3.5	2.0	3.0	1.0	1.0	3.0	5.5	7.0	6.5	10.0	10.0
3-----	5.5	0.0	8.5	9.0	3.5	2.0	2.0	1.0	2.5	12.5	16.0	14.5
4-----	1.5	2.0	8.0	9.0	3.0	4.0	5.0	3.5	3.0	9.0	16.5	15.0
5-----	9.5	4.0	4.0	1.0	0.0	0.5	1.5	0.5	6.0	11.0	*17.5	14.5
6-----	0.0	1.0	1.0	4.0	2.5	3.5	0.5	1.0	3.5	11.0	15.0	*19.0
7-----	5.0	2.0	0.0	2.0	2.0	1.0	2.5	0.5	5.0	13.5	8.0	13.5
8-----	2.5	2.5	4.0	3.5	4.0	5.5	5.5	6.0	6.5	4.0	11.5	11.5
9-----	10.0	3.5	2.0	1.5	2.0	3.5	5.0	1.5	7.0	12.0	18.5	17.0
10-----	1.5	2.5	1.5	0.5	1.5	2.5	0.0	0.5	5.0	8.5	10.5	*15.5
11-----	5.5	7.5	5.5	0.0	0.0	1.0	2.5	2.0	2.0	7.0	20.0	26.0
12-----	1.0	0.5	3.5	5.5	0.5	3.5	2.5	3.5	0.5	3.5	4.0	14.5
13-----	4.0	3.5	1.0	1.0	0.5	2.0	5.0	2.5	1.0	7.0	11.5	13.5
14-----	1.0	3.5	1.5	2.0	2.0	4.0	2.5	1.0	7.5	9.0	11.5	12.5
15-----	16.0	10.0	4.0	3.5	5.5	5.5	5.0	3.5	6.0	10.0	21.0	20.5
16-----	7.0	1.0	0.0	0.0	3.0	4.5	2.0	1.0	1.0	6.0	12.0	19.0
17-----	9.5	8.0	11.0	10.0	8.0	9.0	4.0	2.5	2.5	11.0	14.0	20.0
18-----	3.5	3.5	4.0	4.0	3.0	3.5	3.5	0.0	6.5	12.5	16.5	17.5
19-----	3.5	4.5	5.5	4.0	3.5	3.5	5.0	2.0	3.0	7.0	16.0	19.0
20-----	6.0	8.5	5.0	3.5	3.0	4.5	3.0	1.5	5.5	11.0	*15.5	13.5
21-----	1.0	3.5	3.0	0.5	0.0	3.0	4.0	1.5	3.0	8.0	13.0	13.5
22-----	5.5	7.5	4.0	5.0	4.5	4.5	3.0	2.0	5.5	9.0	13.5	17.0
23-----	4.0	2.0	1.0	2.0	3.0	4.0	2.0	1.5	1.0	10.0	16.5	16.5
24-----	3.5	3.5	3.5	3.0	2.0	4.0	2.0	2.0	9.0	11.0	14.5	20.0
25-----	0.0	1.0	2.0	3.0	4.0	5.0	1.5	4.0	7.0	5.5	6.0	9.5
26-----	2.0	1.0	1.0	2.5	4.0	4.0	2.0	6.0	12.5	11.0	14.0	13.0
27-----	0.0	0.0	0.0	1.5	2.0	1.0	0.5	2.0	1.5	9.5	11.0	*18.0
28-----	8.5	1.0	2.0	3.0	4.5	4.0	1.0	0.5	2.0	6.5	13.0	12.0
29-----	0.0	0.0	0.0	1.0	2.0	0.0	0.0	0.0	1.5	10.0	9.0	7.5
30-----	4.5	3.0	3.0	3.0	4.0	3.0	0.5	0.0	4.0	10.0	14.5	10.0
31-----	4.0	1.5	1.0	1.0	3.0	1.5	5.0	1.5	3.0	11.5	10.0	12.5
Mean -	4.4	3.1	3.1	3.0	2.7	3.3	2.7	*2.1	4.5	9.2	13.3	15.1

AMOUNT OF CLOUDS (0-10).

Day.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	Mean.
1-----	2	2	2	1	4	9	8	8	8	7	8	7	8	8	3	3	3	5.6
2-----	5	9	7	5	9	9	9	9	9	9	8	7	8	9	10	10	9	8.3
3-----	2	3	4	3	4	6	6	6	9	7	8	8	9	7	1	1	1	5.0
4-----	1	1	1	1	1	3	4	7	9	9	9	6	2	1	1	2	2	3.5
5-----	1	0	0	0	0	1	4	7	7	7	8	8	3	3	1	0	0	2.9
6-----	1	0	0	0	1	1	1	1	1	1	2	3	3	3	2	2	2	*1.4
7-----	2	1	1	2	4	4	7	6	4	4	7	4	3	2	1	1	2	3.2
8-----	3	4	8	9	8	7	7	7	8	7	6	6	1	0	1	1	1	4.9
9-----	1	0	0	1	1	1	3	4	5	5	3	1	1	3	0	0	0	1.7
10-----	2	3	2	2	1	5	7	8	9	8	7	4	7	5	4	3	2	4.6
11-----	2	2	2	2	2	9	7	7	7	5	7	7	8	8	10	10	10	6.2
12-----	10	10	10	10	10	10	10	10	8	8	8	8	8	8	9	10	10	*9.2
13-----	10	8	8	9	7	7	4	8	9	8	8	6	3	2	2	2	2	6.1
14-----	3	1	1	1	2	2	3	2	2	2	1	1	1	4	1	1	1	1.7
15-----	1	1	1	1	3	3	3	3	3	3	3	3	3	3	3	2	3	2.5
16-----	3	5	6	3	3	4	4	4	5	7	7	8	7	7	6	7	6	5.4
17-----	1	6	7	7	7	5	3	3	3	3	2	2	2	1	1	1	1	3.2
18-----	0	4	2	2	3	5	3	2	1	0	0	1	0	0	0	0	0	*1.4
19-----	0	1	1	2	2	2	3	3	4	3	5	6	7	7	6	4	3	3.5
20-----	2	6	5	4	3	3	3	4	4	4	4	3	4	5	4	4	1	3.7
21-----	4	6	5	5	4	4	3	2	3	3	3	2	3	2	2	3	7	3.6
22-----	3	1	1	2	2	2	2	1	1	0	0	1	0	0	0	7	5	1.6
23-----	9	10	3	2	3	6	4	4	3	2	2	2	1	1	1	1	1	3.2
24-----	2	0	1	0	1	3	5	3	4	2	2	4	4	1	0	4	3	2.3
25-----	3	5	3	7	9	9	4	6	5	6	6	6	4	5	3	0	1	4.8
26-----	7	3	1	0	4	8	7	7	5	3	1	1	1	1	1	1	2	3.1
27-----	8	1	1	1	3	4	5	5	5	7	9	7	2	1	2	1	5	3.9
28-----	6	7	7	4	7	6	4	5	4	4	8	8	2	1	2	1	1	4.5
29-----	1	1	1	1	1	2	4	3	7	4	3	1	1	0	1	1	1	1.9
30-----	2	2	0	0	1	3	6	7	7	6	5	3	3	2	1	0	0	2.8
31-----	1	1	1	1	1	3	3	3	3	3	2	1	2	2	1	1	1	1.8
Mean -	3.2	3.4	3.0	2.8	3.6	4.7	4.7	5.0	*5.2	4.8	4.9	4.4	3.5	3.3	*2.7	*2.7	2.8	3.8

OBSERVATIONS FOR MARCH, 1902.

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WIND—FORCE IN KILOMETERS PER HOUR.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
10.0	7.5	8.0	7.0	*12.5	11.5	6.0	2.5	4.0	2.0	1.0	1.0	*5.7
8.5	12.0	10.5	*29.5	28.0	24.5	22.5	16.0	15.5	8.5	1.0	2.5	9.9
14.0	10.0	*18.5	15.0	8.5	15.0	11.0	14.0	13.0	14.0	8.0	8.0	9.4
16.0	10.0	13.5	19.0	*24.0	22.0	17.5	15.0	14.0	16.5	15.5	10.5	11.4
15.0	13.0	10.5	6.5	15.5	12.0	10.0	8.0	5.0	5.0	5.5	2.0	7.4
17.0	15.5	17.5	13.0	15.0	18.0	9.5	3.5	2.5	7.0	7.0	3.5	8.0
*34.0	30.5	29.0	30.0	25.5	25.5	18.5	7.0	9.0	8.0	6.5	5.0	11.8
10.0	7.5	17.0	16.5	*23.5	21.0	16.0	11.0	16.0	16.0	12.0	10.0	10.1
11.5	12.0	25.0	25.5	*26.5	22.5	16.5	13.5	15.0	16.5	14.5	6.0	12.0
14.0	10.0	6.0	5.5	6.0	7.5	12.0	6.0	8.0	5.0	7.0	6.0	6.0
27.5	25.0	22.0	24.5	*32.0	23.5	21.0	15.5	14.5	13.0	10.5	2.5	12.9
9.0	7.0	9.0	11.0	18.0	*21.0	8.0	8.0	16.0	12.5	4.0	3.5	7.1
8.0	7.0	6.0	16.0	10.0	*21.0	16.0	13.0	11.0	12.0	4.5	1.0	7.4
15.0	32.5	*33.5	32.0	29.0	24.0	12.5	14.5	16.0	18.0	19.5	18.0	13.4
17.5	*29.5	28.5	18.5	20.0	17.0	15.5	14.5	14.0	11.5	15.0	13.5	13.6
14.0	32.5	31.5	*35.5	33.0	26.5	21.5	17.5	19.0	15.0	16.0	6.5	13.5
16.5	16.0	11.0	12.5	*24.5	23.0	16.5	15.5	12.5	12.0	13.0	7.5	12.1
25.5	*34.5	31.0	34.0	28.0	24.0	18.0	15.0	15.5	14.0	16.0	12.0	*14.4
18.0	15.0	*29.5	27.5	27.5	21.0	18.0	14.5	15.0	15.5	11.0	8.5	12.4
13.5	12.5	13.0	12.5	13.0	14.5	12.0	10.0	9.5	13.0	11.0	7.0	9.2
12.0	14.0	17.5	17.0	21.0	24.0	*25.0	19.0	16.0	11.0	2.5	2.0	9.8
16.5	18.0	20.0	23.5	*27.5	26.5	18.5	18.0	14.0	9.5	6.0	5.5	11.9
13.5	15.5	11.0	8.5	17.5	21.0	19.0	*22.0	17.0	12.0	8.5	5.0	9.8
18.0	22.5	26.5	30.0	*32.0	23.5	16.0	12.5	10.5	9.5	5.0	5.0	12.0
16.0	22.0	19.5	19.0	21.5	*24.0	16.5	7.5	8.0	8.0	3.0	0.5	8.9
15.5	18.5	28.5	*30.5	28.5	22.0	16.0	11.5	8.0	5.0	7.0	0.5	11.0
15.5	16.5	16.5	8.5	6.5	15.5	14.0	12.0	8.5	9.0	8.5	6.5	7.7
11.0	18.5	*23.5	22.0	19.0	16.0	8.0	7.0	5.5	7.0	1.5	0.0	8.2
16.5	14.5	6.5	18.0	*24.0	15.5	8.5	10.0	6.5	13.0	12.5	12.0	7.9
11.5	15.0	9.5	8.0	*16.0	13.5	15.5	11.5	14.0	11.0	9.5	5.0	8.3
14.5	11.5	19.5	19.0	*20.5	18.0	17.0	8.0	5.5	11.0	6.0	2.0	8.7
15.3	17.0	18.4	19.2	*21.1	19.8	15.2	12.0	11.6	11.0	8.7	5.8	10.1

FREQUENCY OF THE WIND.

Day.	N. NNW.	NW. WNW.	W. WSW.	SW. SSW.	S. SSE.	SE. ESE.	E. ENE.	NE. NNE.	Calm.
1			8			1	1	4	10
2		1	8			7	3		5
3		3	6			6	4	1	4
4		1	3	1		9	4	1	5
5			7			5	2	1	9
6			6	1		4	5	2	6
7		1	1	1	1	3	11		6
8			2	1		1	12	2	6
9		2	4			10	2	1	5
10			7	1	1	5	2	1	7
11						6	11	2	5
12		1	4	1		6	3	2	7
13			2	4		6	1	3	8
14			4			14			6
15			3			14	7		
16		1	1			12	3		7
17		1	5		1	9	2	5	1
18			4		2	9	5		4
19			4			11	4		5
20		2	7	2	5	1		2	5
21			8	4	3		1		8
22			7	10	3				4
23		1	5		7	5			6
24					4	13	1		6
25						11	6		7
26		1	2			11	4		6
27		2	5		1	9			7
28			4			10	2		8
29			4		1	11		1	7
30			8			5	2	4	5
31		1	2		1	2	6	2	10
Mean	*0.1	0.5	4.2	0.8	1.0	*7.0	3.4	1.1	6.0

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.
1	60.44	10.00 a.	29.9	2.30 p.	*95.0	21.9	57.45	4.05 p.	19.2	6.30 a.	58.0	16.9
2	60.50	9.30 a.	30.5	0.50 p.	*95.0	21.7	57.60	2.15 p.	21.9	6.10 a.	66.0	19.3
3	61.80	3.30 a.	31.0	2.20 p.	80.0	18.9	59.05	3.30 p.	21.8	6.00 a.	52.0	16.0
4	62.55	9.45 a.	30.3	2.40 p.	88.0	18.3	59.95	3.20 p.	19.6	6.55 a.	51.0	14.5
5	63.55	11.50 p.	*29.1	2.00 p.	83.0	18.4	*60.70	3.40 p.	19.3	6.45 a.	56.0	14.3
6	*64.20	9.10 a.	30.4	3.55 p.	88.0	*17.1	60.47	4.00 p.	*17.7	6.00 a.	49.0	14.2
7	63.30	8.45 a.	30.8	2.10 p.	85.0	18.8	59.85	2.55 p.	18.9	5.40 a.	46.0	14.3
8	62.70	9.00 a.	30.7	3.45 p.	87.0	20.2	59.45	3.25 p.	19.3	6.25 a.	48.0	14.8
9	62.25	8.45 a.	32.6	3.10 p.	*91.0	19.4	58.70	3.20 p.	18.9	6.50 a.	50.5	15.5
10	61.70	11.40 p.	29.6	5.20 p.	91.0	22.6	58.85	4.30 p.	19.8	6.50 a.	*69.0	16.4
11	62.15	8.40 a.	32.2	1.05 p.	83.0	20.2	59.20	3.15 p.	21.5	5.30 a.	47.0	15.7
12	61.45	9.45 a.	31.9	2.25 p.	82.0	21.9	58.40	2.55 p.	*23.3	7.20 a.	58.5	17.0
13	60.95	8.45 a.	32.1	3.00 p.	86.0	21.9	57.88	3.00 p.	22.6	6.35 a.	61.0	18.6
14	60.75	9.15 a.	33.0	2.15 p.	94.0	20.6	*56.65	3.05 p.	20.0	6.40 a.	47.0	15.7
15	61.00	9.00 a.	33.1	3.30 p.	89.0	18.6	58.10	3.15 p.	19.2	6.30 a.	43.0	15.1
16	61.45	8.30 a.	32.8	1.05 p.	87.0	20.0	57.85	3.40 p.	19.7	6.10 a.	47.5	14.8
17	61.25	8.45 a.	33.3	3.40 p.	83.5	20.6	57.70	3.30 p.	19.3	6.30 a.	53.0	15.0
18	60.70	11.55 p.	33.5	3.10 p.	89.0	19.6	57.15	3.50 p.	19.9	6.15 a.	47.0	16.8
19	61.25	9.50 a.	32.8	2.10 p.	87.0	18.8	57.70	3.30 p.	19.0	6.50 a.	43.0	14.5
20	60.85	9.20 a.	*34.7	2.55 p.	86.0	22.4	57.45	4.00 p.	19.3	6.10 a.	49.0	15.4
21	*59.85	9.30 a.	32.3	4.10 p.	88.0	*23.8	56.70	3.40 p.	23.1	6.45 a.	55.0	*19.6
22	60.40	10.55 p.	30.5	1.30 p.	92.0	21.9	57.50	3.40 p.	23.2	6.15 a.	60.0	17.7
23	60.80	10.10 a.	33.2	3.55 p.	86.0	22.6	57.65	3.45 p.	22.6	6.20 a.	54.0	19.0
24	61.50	8.30 a.	33.6	2.10 p.	89.0	19.2	58.15	3.45 p.	21.6	6.45 a.	50.5	16.6
25	62.95	9.25 a.	33.3	3.40 p.	87.0	20.1	59.70	3.15 p.	21.0	5.40 a.	52.0	16.7
26	62.90	9.50 a.	33.4	2.55 p.	83.0	20.5	59.40	3.10 p.	22.9	6.25 a.	50.0	17.1
27	62.95	9.20 a.	32.1	5.00 p.	84.0	20.8	59.05	5.10 p.	22.4	6.20 a.	56.0	17.9
28	61.40	8.55 a.	33.9	1.55 p.	84.0	19.8	57.45	3.45 p.	22.1	6.50 a.	46.0	15.6
29	61.15	8.35 a.	32.7	3.10 p.	*73.0	20.0	57.90	3.40 p.	21.4	6.50 a.	41.0	14.4
30	61.10	8.55 a.	31.9	4.00 p.	85.0	20.8	57.86	4.00 p.	19.7	6.30 a.	52.5	15.6
31	61.90	8.35 a.	33.8	3.05 p.	82.0	19.7	59.00	3.20 p.	21.3	6.00 a.	*35.0	*13.1
Mean	61.67		32.1		86.5	20.4	58.40		20.7		51.4	16.1

GENERAL REMARKS.

Day.	Remarks.	Day.	Remarks.
1	Clouds colored at sunset.	16	Convergence of cirrus to the SSW. in the morning; gusty wind at intervals from the second quadrant; maximum velocity 15 m. p. s.
2	Bands of cirro-stratus convergent to the E. in the morning; air transparent in the afternoon.	17	Cirrus colored at sunrise; veil of cirrus with solar halo in the morning; cirrus convergent to the S. by E. at noon.
3	High clouds colored at sunset.	18	Gusty wind from SSE. and SE. during the afternoon; 17 m. p. s. force maximum.
6	Clouds colored at sunset.	19	Gusty wind from SE. and high clouds colored in the afternoon.
7	Gusty wind from E. in the afternoon.	20	Light veil of cirrus with lunar corona at night.
8	High clouds colored at sunrise.	21	Clouds colored at sunset.
9	Gusty wind from the second quadrant and bands of cirrus from NE. to the SW. in the evening.	22	Cirrus colored at sunrise; lunar corona at night.
10	Thunderstorm toward the S. and to the NW. with rain in the locality in the afternoon.	24	Gusty wind from SE. in the afternoon.
11	Feathers of cirrus to the SSW. in the morning; gusty wind from the E. during hot part of the day; clouds colored at sunset.	25	Like the last day.
12	Drizzle and passing rain in the morning.	26	Identical with the last days.
13	Drizzle and light rain in the afternoon.	27	Lunar corona in the early morning; lightning to the NNW. at night.
14	Gusty wind from SE. (12 and 13 m. p. s.) in the afternoon.	28	Lunar corona in the early morning; gusty wind from SE. in the afternoon.
15	Convergence of cirrus to the SSE. in the afternoon, and from NNW. to the SSE. during night; gusty wind from SE. in the afternoon.	31	Cirro-stratus colored at sunset.

GENERAL APPEARANCE OF THE SKY.

	Clear.	Cloudy.	Variable.
Early morning	19	3	9
Morning	13	4	14
Afternoon	13	4	14
Evening	23	3	5

OBSERVATIONS FOR MARCH, 1902.

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Day.	Total wind velocity (kil. p. h.).	Admidometer.	Rainfall.	Ozone.		Sunshine.	Bay.	Underground temperature. 8 a. m.			Meteors.
				6 a.	6 p.			25 cm.	50 cm.	1 m.	
1	*136.5	<i>mm.</i> *4.6	<i>mm.</i>	3.0	2.0	6-10	S	25.0	*26.7	26.9	 p
2	238.0	5.7		1.5	3.0	5-30	S	25.7	26.8	*26.8	 p
3	226.0	8.7		2.0	3.0	6-30	S	26.0	27.0	27.0	 p
4	273.0	8.9		3.5	3.5	7-00	S	25.6	27.1	26.9	 p
5	178.0	8.9		2.5	3.0	7-00	S	25.0	27.1	27.0	 p
6	191.0	8.6		4.0	3.5	10-00	S	*24.2	26.8	26.9	 p
7	283.5	10.5		2.5	3.0	8-50	T	25.0	27.0	27.0	 p
8	243.5	8.9		3.0	3.5	5-30	S	25.3	26.8	27.0	 p
9	288.5	9.4		0.5	3.0	10-10	T	25.2	27.0	27.0	 p
10	143.5	6.4	7.5	3.0	2.0	8-40	S	26.0	27.2	27.0	 p
11	310.5	10.2		3.0	1.0	8-20	L	26.1	27.5	27.1	 p
12	170.0	7.9		2.0	2.0	*2-05	S	26.7	27.2	27.0	 p
13	178.0	7.3	0.1	1.5	2.5	4-10	S	26.9	27.4	27.0	 p
14	322.5	8.6		0.5	4.0	10-40	S	26.7	27.9	27.1	 p
15	325.5	*11.5		3.5	2.5	*10-50	T	26.9	28.0	27.5	 p
16	325.0	10.3		1.5	1.0	9-40	T	27.1	28.1	27.4	 p
17	290.0	9.6		2.5	2.5	9-15	S	27.1	28.1	27.5	 p
18	*345.5	11.2		0.5	2.0	*10-50	T	27.7	28.4	27.7	 p
19	297.5	10.7		0.5	3.0	10-30	T	27.5	28.5	27.3	 p
20	222.0	9.3		1.5	1.5	10-20	S	27.9	28.8	27.9	 p
21	235.0	6.7		2.0	1.5	8-50	S	29.3	29.0	28.0	 p
22	284.5	6.8		3.5	3.0	9-30	L	29.7	29.3	28.0	 p
23	234.0	8.3		2.0	2.5	9-40	S	28.9	28.6	27.0	 p
24	289.0	9.8		2.0	4.0	8-45	T	*29.8	*29.8	28.3	 p
25	214.0	9.1		3.5	2.5	4-40	L	29.0	29.4	28.2	 p
26	264.5	10.4		3.5	3.0	9-00	S	29.7	*29.8	28.6	 p
27	184.5	8.3		3.5	3.0	9-20	S				 p
28	197.0	10.3		3.0	3.0	7-50	S	29.7	*29.8	28.7	 p
29	188.5	10.9		3.5	4.0	10-15	S	28.8	*29.8	28.7	 p
30	199.5	9.6		3.5	2.0	9-30	S	27.9	29.5	*28.8	 p
31	208.0	*11.5		2.0	2.0	10-20	S	28.0	29.4	28.7	 p
Total	7,486.5	278.9	7.6			259-40					
Mean	241.5	9.0	0.2	2.4	2.6	8-23		27.1	28.1	27.5	

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

ATMOSPHERIC PRESSURE, 700mm +.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	61.00	60.55	60.70	60.90	61.38	61.82	62.13	*62.37	62.32	61.97	61.47	60.83
2-----	61.15	60.70	60.30	60.40	60.56	60.66	61.28	*61.74	61.67	61.55	61.11	60.41
3-----	60.50	60.00	59.50	59.45	59.73	60.20	60.80	*61.08	60.94	60.79	60.27	59.45
4-----	59.55	59.05	59.15	59.05	59.37	59.88	60.45	60.85	61.11	61.06	60.38	59.67
5-----	60.65	60.25	59.50	59.65	59.79	60.20	60.42	60.69	60.78	60.67	60.38	59.88
6-----	60.55	60.20	59.90	60.00	60.40	60.83	61.38	*61.57	61.42	61.13	60.65	60.08
7-----	60.50	60.35	60.05	60.00	60.25	60.60	61.24	*61.54	61.41	61.06	60.67	59.91
8-----	60.10	59.85	59.50	59.60	59.88	60.30	60.83	61.48	*61.77	61.54	61.21	60.42
9-----	60.10	59.60	59.55	59.65	60.04	60.55	60.88	61.19	*61.28	61.03	60.39	59.68
10-----	59.60	59.55	59.45	59.60	60.10	60.58	61.27	61.62	*61.68	61.37	60.74	59.97
11-----	60.30	59.95	59.65	59.65	59.85	60.16	60.73	61.17	*61.61	61.54	61.09	60.59
12-----	60.00	59.55	59.40	59.70	59.77	60.24	60.87	61.27	61.33	61.21	60.93	60.36
13-----	60.80	60.50	60.25	60.30	60.53	60.59	60.77	61.08	61.31	61.03	60.58	59.97
14-----	60.85	60.65	60.40	60.55	61.02	61.65	61.95	62.63	62.52	62.09	61.66	61.15
15-----	61.60	60.95	60.80	60.45	60.89	61.30	61.95	62.53	62.91	*63.23	63.04	62.45
16-----	61.35	60.75	60.30	60.25	60.48	60.79	61.28	61.65	*61.69	61.38	60.98	60.77
17-----	59.60	59.15	59.00	59.00	59.14	59.36	59.57	59.74	*59.89	59.67	59.34	58.63
18-----	58.50	58.35	58.20	58.25	58.76	59.21	59.86	59.94	*60.22	60.17	59.93	59.36
19-----	59.60	59.45	59.20	59.35	59.63	59.97	60.58	60.98	*61.23	60.94	60.33	59.82
20-----	59.60	59.55	59.50	59.70	59.96	60.38	60.73	*61.24	61.16	60.98	60.78	60.21
21-----	59.55	59.15	58.95	58.85	59.18	59.51	60.04	*60.51	60.48	60.41	59.80	59.09
22-----	58.95	58.70	58.55	58.65	58.79	58.89	59.66	60.04	*60.31	60.17	59.75	59.11
23-----	59.35	59.05	58.70	58.90	59.31	59.53	60.33	60.68	*60.72	60.48	60.22	59.32
24-----	59.70	59.50	59.15	59.05	59.51	60.00	60.32	60.51	*60.54	60.31	59.89	59.42
25-----	58.90	58.65	58.50	58.65	59.01	59.43	60.09	60.44	*60.51	60.38	59.86	59.65
26-----	59.25	59.00	59.05	58.85	58.99	59.19	59.40	59.60	*59.97	59.87	59.49	59.01
27-----	58.95	58.25	58.20	58.10	58.58	59.24	59.57	60.07	60.22	60.12	59.66	59.06
28-----	59.80	59.40	59.35	59.50	59.93	60.26	60.47	60.63	60.57	60.55	60.32	59.80
29-----	59.70	59.50	59.45	59.50	59.83	60.08	60.73	*60.95	60.84	60.59	60.36	60.11
30-----	59.90	59.55	59.50	59.40	59.53	59.86	*60.59	60.47	60.57	60.00	59.70	58.97
Mean	60.00	59.66	59.46	59.50	59.81	60.18	60.67	61.01	*61.10	60.91	60.50	59.90

TEMPERATURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	24.2	24.2	24.0	23.3	*22.5	22.9	24.3	27.9	29.4	31.2	32.9	*33.2
2-----	26.2	25.8	25.5	25.2	25.0	24.9	25.5	26.4	30.3	31.9	32.5	33.0
3-----	24.5	24.4	24.2	23.7	23.4	*22.1	23.9	28.7	30.1	30.6	30.9	30.9
4-----	24.3	24.4	23.4	23.3	23.3	*21.8	24.3	27.6	28.9	28.8	29.8	29.5
5-----	24.9	24.7	24.5	24.4	24.4	*24.1	25.4	28.9	30.4	31.7	32.2	32.4
6-----	25.2	24.6	24.3	23.9	23.5	*22.7	25.0	28.4	30.4	30.8	31.7	32.7
7-----	25.2	24.8	24.5	24.2	23.8	*22.7	25.1	27.8	30.1	29.5	30.1	30.5
8-----	24.9	24.8	24.3	23.2	21.8	*21.7	24.6	27.8	30.1	29.6	30.0	30.6
9-----	23.9	23.6	23.7	23.2	20.9	*20.5	22.5	27.4	28.7	28.8	30.0	30.6
10-----	25.1	24.3	23.9	23.5	*23.1	23.4	24.6	28.0	28.7	29.3	29.9	31.1
11-----	27.2	26.9	26.5	25.9	*25.3	25.5	26.5	27.8	28.3	28.7	29.3	29.6
12-----	26.2	25.9	25.8	25.8	25.5	*25.3	27.0	27.7	28.1	*30.3	29.6	29.9
13-----	25.2	25.1	24.6	23.9	*23.4	24.1	27.2	28.2	29.5	30.3	30.2	30.5
14-----	25.8	25.4	25.2	25.0	24.5	*24.4	27.7	29.1	29.9	30.6	31.7	33.5
15-----	24.8	24.8	24.8	24.7	24.6	24.5	*24.1	24.4	24.9	24.8	24.8	25.1
16-----	24.7	24.6	24.4	24.2	24.1	*24.0	25.5	27.2	27.8	28.3	29.5	27.8
17-----	24.8	24.6	24.3	24.1	*23.9	24.2	26.4	27.8	28.5	28.8	29.6	30.2
18-----	26.3	25.7	25.2	24.2	23.8	*23.5	24.0	28.2	28.6	29.4	30.0	31.8
19-----	25.2	24.4	23.9	23.5	*22.8	23.4	26.2	28.4	30.1	29.6	32.2	32.7
20-----	26.6	26.0	25.2	24.7	*24.1	24.6	26.8	29.1	29.8	30.2	29.4	32.1
21-----	26.1	25.8	25.5	24.9	24.6	*24.0	26.1	28.4	28.6	28.7	29.3	30.6
22-----	25.6	25.0	24.0	23.6	*23.2	23.4	24.5	28.4	29.6	30.8	32.4	*33.2
23-----	26.9	26.7	26.6	26.7	26.6	26.2	29.0	29.6	31.3	32.2	31.8	32.9
24-----	25.9	25.8	25.6	25.0	*23.4	23.8	25.2	28.3	29.0	30.1	30.3	31.6
25-----	25.4	24.8	24.4	23.9	*23.1	23.6	26.2	30.3	31.1	32.2	31.8	32.4
26-----	25.2	25.0	24.0	23.5	23.3	*23.2	25.2	29.3	28.8	31.0	31.5	31.3
27-----	27.7	27.4	27.0	26.8	*26.4	26.7	28.2	30.4	30.6	32.1	31.5	31.7
28-----	26.5	25.7	25.4	24.9	*24.6	25.0	28.8	30.4	31.2	30.9	31.3	32.4
29-----	26.7	26.3	26.0	25.4	25.0	*24.9	25.7	26.6	28.9	30.5	29.2	27.8
30-----	25.5	25.2	24.9	24.6	24.3	*23.7	24.6	27.7	27.7	31.9	32.4	*33.0
Mean	25.6	25.2	24.9	24.4	23.9	*23.8	25.7	28.2	29.3	30.1	30.6	31.2

OBSERVATIONS FOR APRIL, 1902.

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ATMOSPHERIC PRESSURE, 700mm +.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
60.22	59.80	*59.42	59.60	59.92	60.21	60.58	61.22	61.57	61.95	61.90	61.50	61.06
59.70	59.01	*58.69	*58.69	59.22	59.77	60.20	60.57	60.87	61.05	61.10	60.85	60.47
58.58	57.96	*57.57	57.60	57.82	58.72	59.37	59.77	60.31	60.55	60.55	60.25	59.66
59.50	58.87	*58.46	58.64	58.78	59.23	59.72	60.16	60.85	*61.30	*61.30	61.05	59.89
59.09	58.75	*58.41	*58.41	58.62	59.21	60.02	60.52	61.01	*61.40	*61.40	61.35	60.03
59.49	58.80	58.36	*58.31	58.59	59.00	59.69	60.34	60.59	60.90	61.10	60.90	60.17
58.92	58.17	*57.67	57.71	58.07	58.36	58.76	59.54	59.89	60.40	60.60	60.50	59.84
59.62	58.75	58.22	*58.21	58.32	58.62	59.03	59.61	59.99	60.60	60.75	60.45	59.94
58.95	58.21	57.65	*57.41	57.45	57.75	58.43	59.14	59.74	60.35	60.35	60.05	59.56
59.30	58.45	57.99	*57.59	57.65	57.97	58.58	59.41	59.88	60.15	60.35	60.40	59.72
59.82	59.32	58.97	58.64	*58.41	58.82	59.39	59.79	60.41	60.50	60.45	60.25	60.04
59.82	59.22	58.77	*58.59	58.82	59.11	59.54	60.13	60.84	61.40	*61.65	61.30	60.16
59.57	59.26	58.68	*58.41	58.72	59.50	60.11	60.59	61.22	*61.40	61.30	61.05	60.31
60.36	59.84	*59.50	59.66	59.85	60.42	61.06	61.49	62.04	62.60	*62.95	62.10	61.21
61.74	60.63	60.29	*60.11	60.40	60.65	61.02	61.59	61.88	62.15	62.05	61.90	*61.52
59.32	58.59	58.02	*57.85	58.92	59.22	59.81	60.02	60.33	60.60	60.50	60.50	60.20
57.59	56.97	56.55	*56.47	56.77	57.53	58.13	58.51	58.79	59.15	59.05	58.85	*58.60
58.70	57.94	57.41	*57.15	57.22	57.64	58.48	59.02	59.46	59.90	60.15	59.90	58.90
58.86	58.36	58.05	*57.81	58.05	58.85	59.50	59.84	60.06	60.30	60.40	60.00	59.63
59.36	58.86	58.56	58.51	*58.44	58.90	59.49	59.78	60.12	60.50	60.40	60.00	59.86
58.15	57.67	57.36	*57.19	57.39	57.85	58.58	59.07	59.51	59.55	59.60	59.30	59.03
58.07	57.37	57.22	*57.01	57.42	58.00	58.76	59.17	59.51	59.85	59.75	59.45	58.88
58.71	58.09	57.46	*57.26	57.38	57.99	58.57	59.11	59.42	59.95	60.15	60.00	59.20
58.76	57.97	57.59	*57.45	57.58	58.04	58.26	58.82	59.37	59.70	59.60	59.35	59.18
58.67	58.01	57.41	*57.31	57.35	57.96	58.57	58.99	59.21	59.60	59.60	59.65	59.02
58.46	57.37	*56.85	56.94	57.16	57.51	58.32	58.91	59.22	59.70	59.55	59.15	58.78
58.14	57.92	57.76	*57.55	57.91	58.79	59.47	59.53	59.97	*60.25	60.20	60.10	59.07
59.44	59.38	*58.62	58.77	58.77	59.22	59.96	60.16	60.44	*60.65	60.55	60.20	59.86
59.28	59.03	*58.77	58.81	59.22	59.53	59.98	60.18	60.48	60.55	60.50	60.15	59.92
58.47	58.22	57.97	*57.77	58.16	58.60	59.14	59.76	60.07	60.35	60.35	60.40	59.47
59.16	58.56	58.14	*58.05	58.28	58.77	59.35	59.82	60.24	60.58	60.60	60.34	59.77

TEMPERATURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
32.7	32.3	31.8	31.1	30.8	29.4	27.8	27.4	27.2	26.9	26.7	26.4	27.9
*33.7	32.8	33.3	32.9	31.7	29.9	28.3	27.7	26.3	25.5	24.9	*24.7	28.5
31.8	*32.1	31.6	31.1	29.9	28.2	27.1	25.8	25.0	24.8	24.7	24.5	27.2
28.6	*30.1	29.9	29.8	29.4	27.4	26.7	26.5	25.5	25.4	25.3	25.1	26.6
33.2	*33.3	32.9	32.1	31.4	30.6	28.8	27.3	26.9	26.2	25.9	25.5	28.4
*33.4	31.7	31.1	32.1	31.7	30.5	28.4	27.1	26.3	25.9	25.6	25.5	28.0
*32.8	32.5	32.4	31.0	30.4	29.4	28.3	27.2	27.0	26.3	25.8	25.1	27.8
31.6	32.8	33.3	*34.1	32.3	30.0	28.3	27.3	26.6	26.3	25.3	24.6	27.7
31.9	32.1	*33.7	32.8	30.2	29.2	28.6	27.9	27.5	26.5	25.6	25.4	27.3
31.5	*33.2	31.7	31.2	30.6	29.8	28.9	28.3	28.3	28.1	27.6	27.4	28.0
30.8	31.9	*32.3	31.7	30.9	29.3	27.9	27.2	26.8	26.5	26.4	26.3	28.1
30.2	28.8	30.2	29.4	29.3	29.2	27.7	27.8	27.0	26.6	26.4	26.0	27.7
30.8	28.8	32.8	*33.7	31.8	30.2	27.7	26.9	26.7	26.4	26.4	26.2	27.9
*33.7	32.8	33.0	31.8	31.5	29.7	28.7	27.7	27.2	26.7	25.2	24.8	28.6
25.6	26.7	*27.4	27.2	27.2	27.2	27.1	27.2	26.3	25.7	25.4	25.1	*25.6
29.6	32.1	*33.0	32.1	30.8	30.2	28.8	27.2	26.7	26.2	25.8	25.3	27.5
*32.9	32.7	*32.9	32.1	31.8	30.6	29.2	27.8	27.6	27.0	26.7	26.5	28.1
33.3	*34.1	33.9	33.4	32.7	31.2	29.4	28.4	27.8	27.3	26.9	26.0	28.5
32.8	*33.1	32.5	32.1	32.4	30.9	29.6	28.4	28.2	27.8	27.4	26.9	28.5
32.3	*32.6	32.3	32.1	31.1	29.8	28.5	27.7	26.9	26.8	26.8	26.6	28.4
33.3	*33.9	33.5	33.2	32.7	31.1	29.4	27.8	27.7	27.3	26.5	26.0	28.5
33.0	32.6	32.8	32.6	31.6	30.3	29.3	28.8	28.3	27.9	27.6	27.4	28.6
*33.8	33.4	33.2	32.9	32.2	30.8	29.2	27.7	27.2	26.9	26.5	*26.1	*29.4
32.6	32.6	*33.7	33.4	32.5	31.6	29.5	28.4	27.8	27.0	26.8	26.2	28.6
*34.5	34.4	34.2	33.3	32.8	31.3	28.8	27.9	27.7	26.8	26.2	25.7	28.9
33.0	33.3	33.3	*34.9	32.6	31.6	30.1	28.9	28.8	28.5	28.2	27.9	28.8
32.3	32.6	32.5	*32.7	31.5	30.5	29.3	28.3	27.8	27.3	27.0	26.7	*29.4
*32.7	27.7	32.2	31.2	31.5	30.5	29.3	28.3	28.2	27.7	27.0	26.8	28.7
30.4	*31.7	31.0	29.1	28.0	26.6	26.1	26.1	26.1	26.1	25.9	25.7	27.3
32.3	31.8	31.5	31.9	30.6	30.0	28.4	27.7	27.1	26.3	26.1	26.0	28.1
32.0	32.0	*32.3	32.0	31.1	29.9	28.5	27.6	27.2	26.7	26.3	25.9	28.1

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

RELATIVE HUMIDITY.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	74.0	73.0	74.0	78.0	*83.0	82.0	78.0	67.0	58.0	48.0	51.0	*41.0
2-----	82.0	84.5	86.0	88.0	89.0	*91.0	86.0	82.0	61.0	47.0	42.0	41.0
3-----	83.0	*86.0	84.0	81.0	80.0	*86.0	77.0	61.0	53.0	51.0	49.0	44.0
4-----	70.0	71.0	75.0	76.0	78.0	81.0	74.0	64.0	60.0	61.0	59.0	59.0
5-----	92.0	93.0	94.0	*95.0	*95.0	94.0	89.0	74.0	63.0	55.0	52.0	52.0
6-----	76.5	79.0	78.0	79.0	80.0	*82.5	76.0	66.0	54.0	59.0	47.0	*45.0
7-----	73.5	75.0	75.0	77.0	78.0	*84.0	76.0	62.0	54.0	62.0	59.0	58.0
8-----	77.0	75.0	72.0	75.0	*84.0	*84.0	75.0	57.0	49.0	53.0	54.0	51.0
9-----	75.0	74.0	73.0	72.0	*79.0	75.0	69.0	58.0	57.5	58.0	57.0	54.0
10-----	77.0	81.0	81.0	82.0	84.0	*85.0	80.0	73.0	74.0	70.0	68.0	62.0
11-----	73.0	73.0	74.0	78.0	*83.0	*83.0	79.5	77.0	74.5	73.0	71.0	70.5
12-----	77.0	79.0	80.0	81.0	82.0	*83.5	77.0	74.0	71.5	67.0	65.0	*61.0
13-----	79.0	80.0	81.0	85.0	*86.0	85.0	75.0	76.0	68.0	66.0	68.0	66.5
14-----	81.0	82.0	80.0	80.0	85.0	86.0	73.0	67.0	65.0	61.0	58.0	54.5
15-----	87.0	88.0	88.0	89.0	90.0	90.0	93.0	92.0	93.0	95.0	95.0	95.0
16-----	97.0	98.0	98.0	*99.0	97.0	97.0	93.0	84.0	83.0	80.0	76.0	83.0
17-----	89.0	90.0	90.0	*91.0	*91.0	88.0	81.0	74.0	71.0	70.0	69.0	65.5
18-----	73.0	75.0	77.0	84.0	86.0	*89.0	85.0	70.0	70.0	69.0	67.0	62.0
19-----	79.0	78.0	78.0	79.0	*82.0	76.0	69.0	60.0	57.0	60.0	53.0	49.0
20-----	69.0	72.5	77.0	79.0	*82.0	78.0	76.0	68.0	67.0	65.0	68.0	58.0
21-----	80.0	82.0	81.0	84.0	84.0	*88.0	81.0	75.0	72.0	71.0	68.0	64.0
22-----	67.0	68.0	74.0	76.0	*80.0	*80.0	78.0	64.0	59.0	56.0	54.0	*47.0
23-----	73.0	75.0	76.0	76.0	*79.0	78.0	71.0	63.0	52.0	50.5	54.0	51.0
24-----	70.0	71.0	72.0	74.0	*81.0	*81.0	76.5	68.0	65.0	62.0	60.0	58.0
25-----	80.0	82.0	83.0	84.0	*85.0	83.0	76.0	61.0	52.0	56.0	59.0	54.0
26-----	70.0	66.0	70.0	72.0	74.0	75.0	72.0	61.0	64.0	59.0	59.0	60.0
27-----	76.0	78.0	79.0	81.0	*83.0	82.0	77.0	68.0	68.5	*50.0	66.0	66.0
28-----	79.0	81.0	81.0	85.0	*86.0	85.0	71.0	65.0	56.0	70.0	65.0	60.0
29-----	77.0	78.0	79.0	84.0	86.0	*87.0	84.0	86.0	74.0	72.0	77.0	80.0
30-----	85.0	85.0	85.0	87.0	87.0	*91.0	86.0	73.0	73.0	47.0	46.5	*46.0
Mean	78.0	79.1	79.8	81.7	84.0	*84.3	78.5	69.7	64.6	62.1	61.2	58.6

VAPOR PRESSURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	16.5	16.4	16.5	16.6	16.9	17.0	17.5	18.6	17.7	16.2	19.1	*15.5
2-----	20.6	20.8	20.9	21.1	21.0	*21.2	20.9	21.1	19.6	16.5	15.4	15.3
3-----	19.0	*19.4	18.8	17.7	17.2	17.0	17.1	17.7	16.9	16.6	16.4	14.7
4-----	*15.8	16.2	16.0	16.2	16.6	*15.8	16.6	17.5	17.8	18.1	18.4	18.2
5-----	21.5	21.6	21.5	21.6	21.6	21.0	21.6	*21.9	20.2	19.0	18.5	18.7
6-----	18.2	18.2	17.5	17.4	17.3	16.9	18.0	19.1	17.5	*19.6	16.3	16.4
7-----	17.5	17.4	17.2	17.2	17.1	17.3	18.1	17.2	17.3	19.0	18.8	19.0
8-----	18.0	17.4	16.3	15.9	16.3	16.2	17.3	15.7	15.6	16.4	16.9	16.7
9-----	16.5	16.0	16.0	15.3	14.5	*13.5	14.0	15.8	16.8	16.9	18.1	17.7
10-----	18.3	18.2	18.0	17.7	*17.6	18.1	18.4	20.5	21.7	21.3	21.3	20.7
11-----	19.4	19.2	*19.1	19.5	19.8	20.1	20.4	21.4	21.3	21.4	21.5	21.7
12-----	19.5	19.6	19.7	19.9	19.9	20.0	20.3	20.5	20.2	21.5	20.1	19.1
13-----	18.8	18.9	18.6	18.7	*18.4	18.9	20.0	21.6	20.8	21.2	21.6	21.5
14-----	20.1	19.8	19.2	18.9	19.4	19.4	20.3	20.0	20.5	19.8	20.2	*20.9
15-----	*20.4	20.5	20.5	20.6	20.7	20.6	20.8	21.0	21.9	22.1	22.1	22.5
16-----	22.5	22.6	22.3	22.2	21.7	21.6	23.4	22.6	23.1	22.7	23.2	23.1
17-----	20.7	20.7	20.3	20.2	20.0	19.8	20.7	20.6	20.6	20.6	21.1	21.0
18-----	18.5	18.3	18.4	18.8	18.9	19.1	18.8	20.0	20.3	21.0	21.3	*21.6
19-----	18.8	17.8	17.2	17.0	16.9	*16.3	17.4	17.3	18.0	18.5	19.1	18.2
20-----	*17.9	18.1	18.4	18.4	18.4	*17.9	19.9	20.4	*21.0	20.7	20.8	20.5
21-----	20.1	20.3	19.7	19.7	19.3	19.5	20.3	*21.6	20.9	20.9	20.5	20.9
22-----	16.4	*16.0	16.5	16.4	16.8	17.0	17.8	18.3	18.1	18.4	*19.5	17.8
23-----	19.2	19.5	19.6	19.8	20.4	19.7	*21.1	19.5	*17.7	18.1	18.7	18.8
24-----	*17.4	17.5	17.6	17.5	*17.4	17.8	18.2	19.3	19.5	19.6	19.2	20.0
25-----	19.3	19.0	18.9	18.5	17.9	18.0	19.1	19.5	17.4	20.2	*20.6	19.4
26-----	16.6	15.5	*15.4	*15.4	15.7	15.9	17.1	18.5	18.8	19.8	20.1	20.2
27-----	20.9	21.0	20.9	21.2	21.3	21.3	21.7	22.0	*18.0	*22.9	*22.9	*22.9
28-----	20.3	19.8	19.6	19.9	19.7	20.0	21.0	21.0	*18.9	*23.2	22.1	21.6
29-----	19.9	*19.8	*19.8	20.2	20.2	20.3	20.7	22.3	21.9	*23.5	23.2	22.2
30-----	*20.7	20.3	19.9	19.9	19.7	19.9	19.7	20.3	20.3	*16.5	16.8	17.2
Mean	19.0	18.9	18.7	18.6	18.6	18.6	19.3	*19.8	19.5	19.6	*19.8	19.5

RELATIVE HUMIDITY.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
44.0	48.0	52.0	55.0	57.0	64.0	74.0	77.0	79.0	80.0	81.0	82.0	66.7
38.0	39.5	*37.0	40.0	40.0	48.0	53.0	56.5	72.0	77.5	80.0	82.0	64.3
40.0	36.0	*34.0	37.0	39.0	46.5	51.0	57.0	67.0	68.5	69.0	71.0	*60.5
67.0	60.0	*57.0	*57.0	61.0	73.0	81.0	79.0	90.0	90.0	90.0	*91.0	71.8
48.0	*46.0	51.0	52.0	52.0	49.0	58.0	71.0	73.0	76.0	75.0	75.0	69.8
47.5	52.0	55.0	46.0	47.0	51.0	56.5	63.0	70.0	70.0	72.0	71.0	63.5
*45.0	46.0	48.0	52.0	58.0	66.0	64.0	69.0	68.0	70.0	69.0	74.0	65.1
49.0	45.0	45.0	*34.0	35.5	51.0	60.0	67.0	70.0	69.0	72.0	73.0	61.5
47.5	52.0	*42.0	44.0	51.0	67.0	69.0	73.0	73.0	73.5	77.0	77.0	64.5
60.0	*55.0	66.0	76.0	75.0	75.0	76.0	73.0	76.0	74.0	76.0	77.0	74.0
65.0	62.0	*57.0	59.0	62.0	65.0	70.0	75.0	75.0	76.5	77.0	77.0	72.1
65.5	71.0	66.0	67.0	68.0	76.0	79.0	67.0	68.0	72.0	72.0	73.0	72.6
63.0	77.0	58.0	*55.0	57.0	63.0	75.0	82.0	82.0	83.0	81.0	81.0	73.9
*41.0	49.0	47.0	47.0	48.0	56.0	61.0	67.0	70.0	74.0	84.0	*87.0	66.8
92.0	88.0	*86.0	87.0	87.0	87.0	88.0	87.0	91.0	93.0	94.0	*95.0	*90.4
77.0	67.5	63.0	*62.0	71.0	68.0	69.0	78.0	80.0	82.0	84.5	87.0	82.2
57.0	57.0	*55.0	58.0	*55.0	59.0	65.0	70.0	68.0	71.0	70.0	71.0	71.9
56.0	44.5	43.0	*40.0	*40.0	49.0	61.0	70.0	74.0	75.5	74.0	76.0	67.1
49.0	51.0	51.5	54.0	*47.5	54.5	58.0	62.0	61.5	63.0	65.0	68.0	62.7
55.0	*52.0	57.0	57.0	59.0	66.0	68.0	70.0	77.0	78.0	77.0	77.0	68.9
46.0	41.0	*39.0	40.0	40.0	46.0	51.0	59.0	60.0	61.0	63.5	67.0	64.3
*47.0	50.0	51.0	51.0	50.0	58.0	62.0	64.0	63.5	66.0	68.0	70.0	62.6
*48.0	*48.0	50.0	48.5	52.0	55.0	62.0	70.0	74.0	72.0	71.0	72.0	63.4
56.5	54.0	*53.0	54.0	54.0	58.0	68.0	73.0	74.0	77.5	74.0	76.0	67.1
40.0	40.0	40.0	40.0	43.0	*37.0	58.0	59.0	60.0	64.0	67.0	68.0	61.3
58.0	55.0	56.0	*52.0	*52.0	54.0	60.0	70.0	69.0	71.0	74.0	*76.0	64.5
63.0	55.0	62.0	59.5	62.0	58.0	64.0	70.0	78.0	81.0	80.0	80.0	70.3
55.0	81.5	*54.0	56.5	56.0	58.0	64.0	68.0	67.0	70.0	73.0	75.0	69.2
64.5	*57.5	67.0	71.0	80.0	*87.0	86.0	86.0	86.0	86.0	86.0	85.0	79.4
49.0	52.0	54.0	53.0	54.0	55.0	63.0	67.0	70.0	73.0	74.0	77.0	68.0
54.4	54.4	*53.2	53.5	55.1	60.0	65.8	70.0	72.9	74.6	75.7	77.0	68.7

VAPOR PRESSURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
16.2	17.5	18.2	18.4	18.8	19.6	20.6	20.9	*21.2	*21.2	21.1	21.1	18.3
14.8	14.7	14.0	15.0	*13.9	15.0	15.2	15.6	18.3	18.8	18.8	18.9	17.8
14.0	12.9	*11.6	12.5	12.2	13.2	13.7	14.2	15.9	16.0	16.0	16.2	*15.7
19.5	19.2	17.9	17.8	18.5	19.9	21.1	20.3	*21.8	21.7	21.6	21.5	18.5
18.2	17.6	18.8	18.4	17.6	*16.0	17.1	19.2	19.2	19.1	18.5	18.2	19.4
18.1	18.2	18.4	*16.2	16.4	16.4	*16.2	16.9	17.7	17.4	17.6	17.3	17.5
*16.6	16.8	17.4	17.3	18.6	*20.0	18.4	18.5	18.1	17.9	17.1	17.6	17.8
17.1	16.5	17.2	13.5	*12.8	16.2	17.2	18.0	*18.1	17.5	17.3	16.8	16.5
16.7	18.5	16.4	16.1	16.2	20.2	20.1	*20.3	19.8	19.0	18.8	18.5	17.2
20.8	20.9	22.9	*25.7	24.4	23.2	22.4	20.9	21.7	20.8	20.8	20.9	20.7
21.3	*21.8	20.4	20.4	20.5	19.7	19.6	20.0	19.7	19.7	19.7	19.6	20.3
21.0	21.0	21.1	20.4	20.7	*23.0	21.9	18.5	*18.1	18.7	18.4	18.3	20.1
20.8	*22.6	21.4	21.5	19.9	20.1	20.7	21.6	21.3	21.3	20.7	20.4	20.5
*15.8	18.3	17.4	16.6	16.4	17.3	17.7	18.4	18.8	19.4	20.1	20.4	19.0
22.4	22.9	23.3	23.2	23.4	23.4	*23.5	23.2	23.2	22.7	22.7	22.5	22.1
23.6	*24.0	23.4	22.1	23.3	21.6	*20.4	21.0	20.9	20.8	20.8	20.8	*22.2
*21.4	21.1	20.3	20.6	19.3	19.3	19.5	19.5	18.6	18.8	*18.2	18.4	20.1
21.3	17.7	16.9	15.2	*14.6	16.6	18.6	20.3	20.6	20.3	19.4	19.0	19.0
18.1	19.1	18.7	*19.3	17.2	18.1	18.0	17.7	17.5	17.6	17.6	18.0	17.9
19.8	19.0	20.4	20.4	19.8	20.6	19.8	19.5	20.4	20.5	20.1	19.8	19.7
17.6	16.1	15.2	15.0	*14.9	15.3	15.5	16.5	16.5	16.4	16.3	16.8	18.2
17.6	18.4	18.7	18.7	17.3	18.5	18.7	18.8	18.2	18.4	18.6	18.9	17.9
18.7	18.4	19.0	18.0	18.5	18.2	18.3	19.5	19.8	19.0	18.4	18.0	19.0
20.6	19.8	20.4	20.6	19.5	20.0	20.8	*21.0	20.6	20.6	19.3	19.1	19.3
16.3	16.2	15.9	15.3	15.8	*12.5	16.9	16.6	16.5	16.7	16.9	16.7	17.5
21.1	20.9	21.3	*21.6	19.0	18.7	19.2	20.7	20.2	20.6	21.2	21.1	18.9
22.6	20.3	22.7	21.9	21.4	19.0	19.3	20.1	21.6	21.9	21.1	20.7	21.2
20.2	22.4	19.3	19.1	19.1	19.0	19.3	19.3	19.0	19.3	19.3	19.7	20.1
20.8	20.1	22.3	21.4	22.5	22.6	21.7	21.7	21.7	21.7	21.4	21.0	21.4
17.8	18.2	18.7	18.5	17.7	17.3	18.1	18.5	18.7	18.6	18.6	19.2	18.8
19.0	19.0	19.0	18.7	*18.3	18.7	19.0	19.2	19.5	19.4	19.2	19.2	19.1

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

UPPER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Ci. s. SE.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
2	A. cu.	Ci. s.	Ci. s. SSE.	Ci. s. SSE.	Ci. s.	Ci. s.
3	A. cu.	Ci. s.	Ci. s.	A. cu. E.	Ci. s.	Ci. s.
4	Ci. s. SSW.	Ci. s.			Ci. s.	
5	A. cu. SE. by E.	A. cu.	Ci. cu.	Ci. cu. ESE.	Ci. cu.	Ci. s.
6	Ci.	Ci.	Ci.	Ci.	Ci.	Ci.
7	A. cu.	Ci.	Ci.	Ci.	Ci.	Ci.
8		Ci.	Ci.	Ci.		Ci.
9	Ci. s.	Ci. s.	Ci. s.	Ci.	Ci.	Ci.
10	Ci.					
11	A. cu.	A. cu. NE.	Ci. s.	A. cu.	A. cu.	A. cu.
12	A. cu.		A. cu.		A. cu.	
13	Ci. s.	Ci. s.	Ci.	Ci.	Ci.	
14	A. cu.	A. cu.	A. cu.	A. cu.	A. cu.	
15						
16	Ci.	Ci.				
17						
18		A. cu.	A. cu.	Ci. s.	Ci. s.	Ci. s.
19	Ci. s.	Ci. s.	A. cu.	Ci. cu.	Ci. cu.	Ci.
20		A. cu.	A. cu.			A. cu.
21						
22		A. cu.	A. cu.			
23	A. cu. E. by S.	A. cu.	Ci.	Ci. s.		Ci. s.
24	Ci.	Ci.				
25	Ci.	Ci.				
26			A. cu.			
27		A. cu.	A. cu.	A. cu.	A. cu.	
28	Ci.	Ci.				
29						
30		Ci. s.	Ci. s.			

LOWER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	S. cu.	Cu.	Cu. ENE.	Cu. E. by N.	Cu.	Cu. E. by N.
2	S. cu.	Cu. E.	Cu. E.	Cu. E.	Cu.	Cu. E.
3	S. cu. ENE.	Cu. ENE.	Cu.	Cu. E. by N.	Cu.	Cu.
4	S. cu.	Cu.	Cu. ENE.	Cu. ENE.	Cu. ENE.	Cu.
5	Cu.	Cu.	Cu. E. by N.	Cu. E. by N.	Cu. E.	Cu. E.
6	Cu.	Cu.	Cu. E. by S.	Cu. E.	Cu. E.	Cu.
7	Cu.	Cu.	Cu. ENE.	Cu. ENE.	Cu. ENE.	Cu.
8	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
9						Cu.
10		Cu.	Fr. cu. E. by N.	Fr. cu. E. by N.	Fr. cu. ENE.	Fr. cu.
11	Fr. cu. S.	Fr. cu.	S. cu. NE.	S. cu. NE.	S. cu.	S. cu.
12	S. cu.	S. cu. NE.	S. cu. NE.	S. cu.	S. cu. SE. by E.	S. cu.
13	S. cu. ENE.	Cu.	Cu.	Cu.	Cu. ENE.	Cu.
14	Cu.	S. cu.	Cu. ENE.	Cu. E.	Cu. E.	Cu.
15	Fr. N. ESE.	Fr. N.	Fr. N. ESE.	N.	N.	N.
16	S. cu.	Cu.	Cu. E.	Cu. N. E. by N.	Cu. N.	Cu. N.
17	Cu.	Cu. E.	Cu. E.	Cu.	Cu. E.	Cu.
18	S. cu. E. by N.	S. cu.	Cu. E.	Cu. E.	Cu.	Cu.
19	S. cu.	S. cu.	Cu.	Cu. E.	S. cu. E.	Cu.
20	S. cu.	Cu.	Cu. E.	N. cf.	N. cf. E.	N. cf.
21	Cu.	Cu.	Cu. E.	Cu. E.	Cu. E.	Cu. E.
22	S. cu.	S. cu. E. by S.	S. cu.	Cu.	Cu.	Cu.
23	S. cu.	S. cu. E. by N.	Cu.	Cu. E. by N.	Cu.	Cu.
24	Cu.	Cu.	Cu.	Cu. E.	Cu. E.	Cu. E.
25	Cu.	Cu.	Fr. cu. E.	Fr. cu. E.	Cu. E.	Fr. cu.
26	Cu.	Cu.	Cu.	Cu. E.	Cu.	Cu.
27	S. cu.	S. cu.	S. cu.	Cu. N. E.	Cu. ENE.	Cu. N.
28	Cu.	Cu.	Cu. E.	Cu. E.	Cu.	Cu.
29	Cu. N. E. by N.	Cu. N. E. by N.	Cu. N. E. by N.	Cu. ENE.	N. cf. ENE.	N.
30	Fr. N. ENE.	Fr. cu.	Fr. cu. E.	Cu. E.	Cu. N. E.	Cu. N. E.

UPPER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Ci. s. Ci. s. Ci.	Ci. s. Ci. s. SW. by W. Ci.	Ci. s. Ci. s. Ci. A. cu. Ci. Ci. s. Ci. Ci. Ci.	A. cu. NE. Ci. s. SW. by W. Ci. Ci. s. A. cu. Ci. Ci. Ci. Ci.	Ci. s. Ci. s. Ci. s. Ci. s. Ci. Ci. Ci.	A. cu. Ci. Ci. s. A. cu. Ci. Ci. s. Ci. Ci.
A. cu.	Ci. s.	Ci. s. A. cu. E. A. cu. A. cu.	A. cu. A. cu. A. cu. Ci. s. Ci. s.	Ci. A. cu. NNE. A. cu. A. cu. Ci. s. Ci. s.	A. cu. A. cu. Ci. s. Ci. s. Ci. s. Ci.
A. cu. Ci. s. Ci. s. A. cu. E. by S. Ci. A. cu.	A. cu. ESE. A. cu. Ci. s. A. cu. Ci. A. cu.	Ci. s. A. cu. E. by S. Ci. A. cu.	Ci. A. cu.	Ci. s. A. cu.	Ci. s. Ci. s. Ci. s. Ci.
Ci.	Ci. cu. SE. by S. Ci. Ci. Ci. s.	Ci. s. SE. by S. Ci. Ci. s. Ci. cu. Ci. s. Ci. s.	Ci. s. SE. by S. Ci. Ci. s. Ci. Ci. s.	Ci. s. SE. by S. Ci. Ci. s. A. cu. E. by N. A. cu. Ci. A. cu. A. cu.	Ci. s. Ci. Ci. Ci. cu. Ci. Ci. A. cu.

LOWER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Cu. ENE. Cu. ENE. Cu. NE. S. cu. Cu. Cu. NE. Cu. ENE. Cu. Cu. Cu.	Cu. ENE. Cu. ENE. Cu. S. cu. Cu. E. Cu. NE. by N. Cu. ENE. Cu. Cu. Cu. Cu.	Cu. E. by N. Cu. ENE. Cu. S. cu. ENE. Cu. S. cu. NE. by N. Fr. cu. ENE. Cu. Cu. Cu.	Cu. E. by N. Cu. ENE. Cu. S. cu. Cu. S. cu. Cu. ENE. Cu. Cu. Cu.	Cu. N. E. by N. Cu. Cu. S. cu. Cu. Cu. ENE. Fr. cu. Cu. Cu. Cu.	Cu. N. Cu. Cu. S. cu. S. cu. Cu. S. cu. Cu. Cu. S. cu.
N. cf. NE. Cu. SE. by E. Cu. N. E. by N. Cu. Fr. N. Cu. Cu. E. by N. Cu. E. Cu. Cu.	Cu. Cu. Cu. N. E. by N. Cu. E. Fr. N. NNE. Cu. Cu. Cu. E. Cu. E. Cu.	Cu. Cu. SE. Cu. Fr. N. NNE. Cu. N. Cu. N. E. by N. Cu. Cu. Cu. E.	Fr. cu. N. cf. SE. by E. Cu. E. S. cu. E. Fr. N. Cu. N. Cu. N. Cu. N. Cu. Cu. Cu.	Cu. Cu. Cu. E. S. cu. Fr. N. SE. Cu. N. Cu. N. Cu. N. Cu. Cu. Cu.	Cu. S. cu. Cu. N. S. cu. Fr. N. Cu. N. Cu. N. Cu. N. Cu. S. cu. S. cu.
S. cu. Cu. E. by N. Cu. Cu. E. Cu. Fr. cu. E. by N. Cu. N. E. Cu. N. E. N. cf. E. Cu.	Cu. Cu. Cu. Cu. E. by N. Cu. Cu. Cu. N. E. Cu. N. S. cu. Cu.	Cu. Cu. ENE. Cu. Cu. Cu. Cu. N. E. Cu. E. Cu. Cu.	Cu. S. cu. Cu. Cu. E. Cu. S. cu. Cu. N. S. cu. S. cu. Cu. E. Cu.	Cu. S. cu. Cu. S. cu. S. cu. Cu. N. E. Cu. N. S. cu. Cu. N. E. by N. S. cu.	Cu. S. cu. Cu. Cu. S. cu. Cu. N. S. cu. S. cu. S. cu. S. cu.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.
1	Calm.	Calm.	N. 1.5	Calm.	NE. by N. 1.5	NNE. 1.0
2	Calm.	Calm.	Calm.	Calm.	ENE. 1.5	Calm.
3	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
4	Calm.	Calm.	Calm.	Calm.	NNE. 1.0	NE. 1.0
5	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
6	Calm.	Calm.	Calm.	Calm.	ENE. 1.5	ENE. 0.5
7	Calm.	Calm.	Calm.	Calm.	Calm.	ENE. 1.0
8	Calm.	Calm.	Calm.	Calm.	Calm.	E. 0.5
9	SE. 1.0	SE. 1.5	SE. 0.5	Calm.	E. 1.0	ENE. 1.0
10	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
11	NW. 2.0	N. 1.5	Calm.	Calm.	Calm.	Calm.
12	Calm.	Calm.	Calm.	Calm.	E. 0.5	Calm.
13	Calm.	Calm.	Calm.	Calm.	NE. 2.0	ENE. 1.0
14	E. 1.0	ENE. 2.0	ENE. 2.5	Calm.	N. 1.0	N. 1.0
15	Calm.	Calm.	N. 1.0	Calm.	Calm.	Calm.
16	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
17	NE. 1.0	E. 1.5	NNE. 1.0	Calm.	NE. 0.5	NNE. 1.0
18	ESE. 2.5	Calm.	Calm.	NNE. 1.0	Calm.	ENE. 1.5
19	N. 1.5	ENE. 1.0	Calm.	Calm.	Calm.	Calm.
20	ESE. 2.0	E. 1.5	E. 1.5	ENE. 1.0	Calm.	Calm.
21	E. 1.0	ESE. 0.5	NE. 1.0	NE. 0.5	Calm.	E. by N. 1.0
22	E. 3.0	E. by S. 2.5	E. by S. 1.5	E. 1.0	NE. 1.0	Calm.
23	ESE. 1.0	Calm.	Calm.	Calm.	Calm.	Calm.
24	Calm.	Calm.	ESE. 1.0	NE. 1.0	Calm.	Calm.
25	ESE. 2.0	Calm.	Calm.	ENE. 1.5	Calm.	Calm.
26	ESE. 1.0	NNE. 1.0	NE. 0.5	NE. 1.5	Calm.	Calm.
27	Calm.	ENE. 1.0	NNE. 1.0	Calm.	Calm.	Calm.
28	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
29	SE. 0.5	E. 3.0	NE. 1.5	Calm.	ENE. 1.0	Calm.
30	ESE. 2.0	ENE. 1.0	E. 2.0	NE. 2.0	Calm.	Calm.
Mean	0.7	0.6	0.6	*0.3	0.4	0.4

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
1	E. by N. 5.5	NE. by E. *8.5	NE. 5.0	NE. 5.0	NE. 3.5	ENE. 1.5
2	ENE. 7.0	ENE. 6.5	E. 7.0	ENE. 7.5	ESE. 4.5	ENE. 4.0
3	E. 9.0	E. *10.0	E. *10.0	E. 5.0	E. 7.0	E. 4.0
4	W. 3.5	ENE. 1.0	E. 3.0	E. *7.0	E. 5.5	ESE. 5.5
5	E. by N. 5.5	ESE. 6.0	ESE. 6.5	ESE. 5.0	ESE. 1.0	E. 2.0
6	ESE. 5.0	SE. 8.0	ESE. *12.0	E. 7.0	E. 3.0	E. 4.5
7	SSE. 6.0	SSE. 7.5	SE. *9.0	SE. 8.0	SE. 7.0	SE. 6.0
8	WSW. 4.0	SW. 1.0	SW. 2.0	SE. 2.0	ESE. 4.0	SE. by E. 4.0
9	W. 1.5	WNW. 3.0	W. 2.5	W. 4.0	SW. 5.0	SW. *6.0
10	WSW. 4.0	WSW. 1.5	SW. by W. 5.0	SW. by W. *6.0	SW. 3.0	SW. 3.0
11	W. 3.0	SSE. 1.0	ESE. 2.5	ESE. 4.0	SE. by E. *9.0	ESE. 3.0
12	NNW. 2.0	NW. *3.5	WNW. 3.0	W. 1.0	WNW. 3.0	Calm.
13	NW. 2.0	SE. 0.5	SE. 3.5	ESE. 3.0	ESE. 6.0	E. *9.0
14	ESE. 5.0	W. 2.5	ENE. 6.0	N. *12.0	ENE. 3.5	ENE. 5.0
15	NE. 1.5	NNE. 2.5	NNE. 1.0	Calm.	Calm.	Calm.
16	Calm.	Calm.	SE. 4.0	SE. *8.5	ENE. 1.5	ENE. 3.5
17	ESE. 6.0	SE. *8.5	ESE. *8.5	SE. 5.0	SE. 6.0	ESE. 5.0
18	Calm.	SE. *9.0	SE. 8.0	SE. 7.0	ESE. 8.0	ESE. 3.0
19	ESE. 8.0	ESE. 7.5	SE. *10.0	SSE. 7.0	SE. 9.5	ESE. 3.0
20	SE. 5.0	SE. 6.0	SE. 5.0	ESE. 3.0	SE. by E. *9.0	ESE. 5.5
21	SSE. *9.0	SE. *9.0	SE. by E. 8.0	ESE. 3.5	ESE. 2.5	E. 3.0
22	SE. 6.5	SE. *8.0	ESE. 7.5	ESE. 6.5	E. 4.0	E. 2.5
23	ESE. 4.0	SSE. *11.5	SE. 9.5	SE. 6.0	SE. 6.0	SE. 4.0
24	W. by N. 4.0	SE. by S. *8.0	SSE. 6.5	SE. 5.5	SE. 2.5	SE. 5.0
25	SE. 5.0	S. by E. *9.0	SSE. 4.5	SSE. 6.5	SE. 4.0	ESE. 4.0
26	WSW. 2.0	W. 3.0	W. 2.5	SSE. 1.0	E. 4.5	E. by S. *5.5
27	W. 1.5	ESE. *6.0	E. *6.0	ESE. 4.0	ESE. 5.5	E. 5.5
28	ENE. 1.5	ENE. 4.0	E. *6.0	E. by S. 4.0	E. 5.0	E. by N. *6.0
29	ESE. *8.0	ESE. 2.0	Calm.	ESE. 2.5	ESE. 4.0	SE. 4.0
30	E. 5.5	E. by S. *6.0	E. by S. 4.0	E. 1.0	E. 5.0	E. 2.0
Mean	4.4	5.4	*5.6	4.9	4.7	4.0

OBSERVATIONS FOR APRIL, 1902.

47

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
NNE.	1.0	NNE.	2.5	N.	3.0	E.	3.0	SE.	3.0	ENE.	2.5
NNE.	1.5	Calm.		E.	4.0	E.	*11.0	E.	10.0	E.	9.0
Calm.		Calm.		NNE.	0.5	Calm.		NE.	1.5	E.	4.5
Calm.		E.	0.5	SSW.	1.5	WSW.	2.5	W.	2.5	W.	3.0
Calm.		Calm.		E.	1.5	ESE.	7.5	E.	*8.0	ESE.	5.0
Calm.		Calm.		E.	3.0	W.	2.0	E.	3.0	ENE.	3.0
ENE.	0.5	E.	3.0	ENE.	1.5	W.	4.0	W.	4.5	W.	6.0
Calm.		SE.	2.5	Calm.		W.	1.0	W.	4.5	W.	3.0
ENE.	1.0	Calm.		WSW.	1.5	W.	2.5	WNW.	2.0	W. by S.	5.5
Calm.		Calm.		W.	4.0	W.	3.0	W.	4.0	W.	4.0
WSW.	1.0	Calm.		W.	2.5	WNW.	0.5	W.	0.5	WNW.	3.0
Calm.		NNE.	1.0	Calm.		S.	1.5	ESE.	2.5	ESE.	3.0
Calm.		Calm.		WSW.	2.0	WSW.	2.0	WSW.	2.0	WSW.	3.0
Calm.		Calm.		Calm.		WSW.	3.0	W.	2.5	E.	10.0
NE.	1.0	Calm.		NE.	2.0	Calm.		Calm.		NNE.	*3.0
NE.	0.5	W.	1.5	W.	2.0	W.	2.0	WNW.	6.0	W.	1.5
Calm.		W.	1.5	W.	2.5	W.	3.0	WSW.	3.5	WSW.	4.0
Calm.		Calm.		W.	1.5	WSW.	2.5	WSW.	1.5	W.	3.0
E.	1.5	Calm.		WSW.	3.0	W.	3.0	SSE.	6.5	SSE.	5.5
Calm.		Calm.		SW.	3.0	SW.	2.0	E.	3.5	ESE.	5.0
Calm.		NW.	1.5	W. by N.	4.5	W.	2.0	W.	4.5	W. by S.	4.5
Calm.		Calm.		E.	4.0	NE.	3.0	SE.	5.0	E.	6.0
ENE.	1.5	ENE.	2.5	E. by N.	6.0	E.	4.0	Calm.		SE.	5.0
Calm.		Calm.		W.	3.0	W.	1.5	W.	3.5	W. by N.	4.5
ESE.	1.0	Calm.		ENE.	1.5	WSW.	1.5	WSW.	3.5	WSW.	2.5
NE.	1.5	Calm.		W.	3.0	WSW.	4.5	WSW.	2.0	WNW.	5.0
Calm.		ENE.	1.5	ENE.	3.0	E.	5.0	W. by S.	4.0	W.	3.0
Calm.		Calm.		E. by N.	4.0	WSW.	1.5	WSW.	4.0	SSE.	1.0
Calm.		NE.	1.0	ENE.	1.5	SE.	1.5	S.	4.0	E.	4.0
NE.	2.0	NE.	1.0	NE.	5.0	NE.	4.5	ENE.	3.5	ESE.	4.5
	0.5		0.7		2.5		2.8		3.5		4.2

7 p.		8 p.		9 p.		10 p.		11 p.		12 p.		Mean.
NE.	2.0	Calm.		Calm.		Calm.		Calm.		Calm.		2.1
E.	1.5	E.	0.5	E.	1.0	Calm.		E.	1.0	Calm.		3.2
E.	6.0	E. by S.	2.5	Calm.		ESE.	2.0	ESE.	1.0	Calm.		2.6
SE.	3.5	SE.	3.5	SE.	2.5	Calm.		ESE.	1.0	Calm.		2.0
ESE.	1.5	ESE.	3.0	ESE.	3.5	ESE.	1.5	Calm.		ESE.	3.0	2.5
E.	5.5	ESE.	1.0	SE. by E.	2.0	ESE.	2.0	ESE.	2.0	ESE.	1.5	2.8
ESE.	4.0	SE.	4.5	SE.	5.0	Calm.		SE. by E.	3.0	Calm.		3.4
SE.	3.0	SE. by E.	5.0	SE.	*5.5	SE.	3.0	Calm.		Calm.		1.9
SSW.	5.0	SSW.	4.0	S.	1.0	Calm.		Calm.		Calm.		2.1
SSW.	2.0	S.	4.0	SSW.	1.0	Calm.		Calm.		Calm.		1.9
SE.	4.5	SE.	4.0	ESE.	2.0	ESE.	2.0	ESE.	2.0	ESE.	1.0	2.0
Calm.		Calm.		Calm.		Calm.		Calm.		Calm.		0.9
ESE.	2.5	ESE.	1.0	E.	1.5	E.	1.5	E.	0.5	E.	2.0	1.8
NE.	6.0	NNE.	3.0	NNE.	3.0	NNE.	1.5	Calm.		Calm.		3.0
Calm.		Calm.		Calm.		Calm.		Calm.		Calm.		*0.5
SE.	4.0	ESE.	4.0	E.	2.5	ENE.	1.0	NE.	1.0	ENE.	1.0	1.9
ESE.	2.0	ESE.	0.5	ESE.	4.5	E. by S.	3.0	E. by S.	3.0	ESE.	4.0	3.1
ESE.	3.5	ESE.	3.0	ESE.	4.0	ESE.	2.5	Calm.		Calm.		2.6
Calm.		E.	1.0	ESE.	4.5	SE.	3.0	SE.	4.5	ESE.	4.0	*3.6
ESE.	3.0	ESE.	1.0	ESE.	2.0	E.	2.0	ESE.	2.0	E.	2.0	2.7
E.	4.5	E.	4.0	ESE.	3.5	ESE.	3.0	ESE.	2.0	E.	2.5	3.1
E.	1.0	ESE.	4.0	E.	0.5	ESE.	2.0	ESE.	1.0	ESE.	2.0	3.0
ESE.	2.0	ESE.	1.5	SE.	3.5	SE.	1.5	SE.	1.0	SE.	0.5	3.0
SE.	4.0	SE.	4.0	SE.	3.0	SE.	3.5	ESE.	3.0	ESE.	1.0	2.7
ESE.	3.0	ESE.	4.5	ESE.	3.0	ESE.	3.5	ESE.	3.0	ESE.	3.0	2.8
E.	4.0	ESE.	4.0	Calm.		E.	1.5	Calm.		Calm.		2.0
ESE.	3.0	Calm.		ESE.	2.0	ESE.	2.0	ESE.	0.5	Calm.		2.3
ESE.	4.0	ESE.	4.0	ESE.	3.5	SE.	3.0	E.	1.0	ESE.	3.5	2.3
ESE.	1.0	SE.	3.0	ESE.	0.5	ESE.	2.0	ESE.	2.0	ESE.	2.0	2.0
E.	3.0	ENE.	1.5	Calm.		Calm.		Calm.		Calm.		2.3
	3.0		2.5		2.2		1.6		1.2		1.1	2.4

WIND—FORCE IN KILOMETERS PER HOUR.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	1.5	0.0	3.0	1.0	0.5	0.0	3.5	4.5	8.5	9.0	7.0	10.0
2-----	0.5	0.0	0.0	0.0	2.0	1.0	0.5	0.0	2.5	14.5	*29.0	27.0
3-----	0.0	0.0	0.0	0.5	1.5	1.0	2.0	0.5	5.0	3.5	17.0	29.0
4-----	0.5	0.5	0.5	1.0	6.0	6.0	1.0	2.5	2.5	8.5	8.0	13.0
5-----	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	13.5	27.0	26.5
6-----	6.5	0.0	0.5	0.0	0.5	0.0	0.5	0.0	2.0	5.5	7.0	12.0
7-----	0.5	0.5	0.0	0.0	0.0	0.5	0.0	0.5	3.0	8.5	15.0	16.5
8-----	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.0	2.0	7.5	12.5	*14.5
9-----	2.5	2.0	4.5	1.0	0.0	0.0	0.0	0.0	2.5	7.5	13.0	15.0
10-----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	8.5	10.0	11.0
11-----	7.0	7.5	2.0	0.5	0.0	1.5	1.5	5.5	9.5	9.0	8.0	11.0
12-----	1.0	0.0	0.0	0.5	1.0	1.5	0.5	1.0	4.5	2.5	8.0	13.0
13-----	1.0	1.0	1.5	2.0	3.0	2.5	0.0	3.5	6.0	9.0	10.5	13.5
14-----	5.5	8.0	7.5	3.0	5.0	4.5	3.5	4.0	3.0	8.5	9.0	11.5
15-----	0.5	0.5	4.5	2.0	1.5	1.5	6.0	4.5	6.5	9.0	6.0	5.0
16-----	2.0	3.5	4.0	4.0	4.0	1.5	1.5	4.5	7.0	12.0	12.0	9.5
17-----	2.5	7.0	5.0	2.0	3.0	2.0	0.5	1.0	8.5	14.5	17.0	17.0
18-----	9.0	3.0	5.0	7.0	7.0	9.0	7.0	4.0	8.0	11.0	14.0	12.0
19-----	7.0	4.0	2.0	7.0	7.0	11.0	7.0	7.0	5.0	14.0	13.0	23.0
20-----	13.0	5.5	5.0	4.0	3.5	1.0	1.0	3.0	8.5	8.0	10.0	16.0
21-----	8.5	4.0	3.0	5.0	4.0	6.0	1.5	3.5	13.0	12.5	15.0	14.5
22-----	10.5	10.0	6.0	5.5	4.0	1.0	0.5	0.0	6.0	13.5	15.0	13.5
23-----	8.5	2.0	0.5	2.0	3.5	1.5	3.5	15.0	15.5	18.5	10.5	22.5
24-----	2.0	1.0	4.5	4.0	5.0	1.0	1.5	2.5	10.0	14.0	14.5	15.0
25-----	6.0	4.0	0.0	2.0	2.0	2.0	3.0	2.0	4.0	8.0	15.0	14.5
26-----	9.5	6.0	5.0	4.5	2.0	1.0	3.0	3.5	8.5	9.0	13.0	17.5
27-----	4.5	1.5	3.5	1.5	1.0	0.5	0.0	1.5	14.0	17.0	9.5	17.0
28-----	1.5	1.0	2.0	1.0	2.0	2.0	0.5	2.5	7.5	6.0	15.5	9.5
29-----	7.5	6.5	5.5	3.0	3.0	1.5	1.0	2.5	3.5	6.5	5.0	19.5
30-----	6.5	6.5	4.0	6.5	7.5	4.0	6.5	8.0	8.5	17.0	20.0	21.5
Mean.	4.2	2.9	2.6	2.4	2.6	2.2	*1.9	3.0	6.4	10.2	12.9	15.7

AMOUNT OF CLOUDS (0-10).

Day.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	Mean.
1-----	3	9	7	6	5	6	7	9	8	9	7	8	10	9	9	7	5	7.3
2-----	9	8	8	5	5	6	6	6	4	3	2	2	1	1	1	0	0	3.9
3-----	2	4	8	1	2	3	3	7	5	2	3	3	3	3	1	1	1	3.0
4-----	5	7	5	5	6	8	6	9	10	10	9	10	9	9	10	8	10	8.0
5-----	7	8	2	2	3	4	3	6	3	3	2	2	1	2	2	0	0	2.9
6-----	2	1	1	1	6	6	6	6	6	6	6	3	2	2	1	1	1	3.4
7-----	1	7	6	3	3	5	4	2	1	2	7	4	1	1	1	1	1	3.1
8-----	1	1	0	0	0	1	0	1	1	1	1	1	0	1	1	1	0	*0.6
9-----	1	1	2	1	1	1	1	1	2	2	2	2	2	2	1	1	2	1.5
10-----	1	0	0	0	1	1	1	1	2	2	2	3	2	1	2	4	5	1.6
11-----	2	1	1	8	9	9	9	9	8	5	4	3	2	1	0	0	1	4.2
12-----	9	7	5	8	8	9	8	9	10	9	7	9	2	2	2	1	5	6.5
13-----	6	7	5	3	3	3	3	5	9	9	4	5	5	9	8	6	7	5.7
14-----	8	9	2	2	7	4	4	3	5	6	5	6	6	7	6	7	8	5.7
15-----	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	8	7	*9.6
16-----	7	4	2	3	9	9	6	9	6	7	7	5	9	6	5	6	7	6.3
17-----	1	1	2	2	4	5	5	6	2	3	4	1	1	1	1	0	0	2.3
18-----	3	3	5	3	5	3	5	3	5	5	4	3	2	3	2	2	1	3.4
19-----	2	4	3	2	2	5	5	5	6	6	5	6	3	2	1	0	0	3.4
20-----	4	1	1	1	3	9	8	8	7	4	6	5	2	2	3	1	1	3.9
21-----	2	1	1	2	4	8	8	7	4	2	1	1	1	1	1	1	1	2.7
22-----	9	8	9	7	5	6	6	5	3	3	4	6	3	3	9	9	9	6.1
23-----	10	3	4	3	3	3	7	3	5	4	2	1	1	1	1	0	0	3.0
24-----	3	1	1	1	1	4	5	5	6	4	4	4	3	2	1	1	1	2.8
25-----	1	1	1	1	1	3	1	1	1	1	1	2	2	1	1	0	0	1.1
26-----	2	1	1	1	2	1	4	7	6	6	5	6	7	5	4	8	8	4.4
27-----	5	6	5	9	9	8	8	7	4	7	7	3	3	3	2	3	1	5.3
28-----	7	3	2	2	3	7	6	5	9	6	7	8	7	7	6	4	3	5.4
29-----	9	6	8	7	7	7	9	8	9	9	8	9	9	9	9	9	9	8.3
30-----	3	1	9	1	3	2	2	3	7	5	7	5	4	3	4	2	1	3.6
Mean.	4.5	4.1	3.9	3.3	4.3	5.2	5.2	*5.6	5.5	5.0	4.6	4.6	3.9	3.6	3.5	*3.1	3.2	4.3

OBSERVATIONS FOR APRIL, 1902.

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WIND—FORCE IN KILOMETERS PER HOUR.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
12.5	13.0	18.5	*21.0	12.5	11.0	4.5	1.5	0.0	0.0	0.0	1.0	6.0
26.0	27.0	23.0	21.5	25.5	23.5	13.5	11.0	4.5	5.0	4.5	1.5	11.0
28.0	31.5	*33.5	28.5	29.5	24.0	24.0	13.5	6.0	8.5	5.5	3.0	12.3
15.5	9.0	16.0	*23.0	15.5	17.5	18.0	13.0	14.5	3.0	1.0	2.5	8.3
26.5	*28.0	26.5	27.0	26.0	17.0	11.0	8.0	7.0	5.5	4.5	8.0	11.1
10.5	*28.0	23.5	22.0	19.5	16.5	22.5	13.5	6.0	7.0	8.5	7.0	9.1
16.5	28.0	29.0	*31.0	28.0	23.5	17.0	13.0	12.5	10.5	3.5	0.5	10.8
13.0	11.5	9.0	6.5	12.0	14.0	14.0	9.5	11.0	9.5	6.0	2.0	6.5
14.0	10.5	10.5	6.5	*21.0	19.5	14.0	8.0	2.5	0.0	0.0	0.0	6.4
16.5	13.0	16.0	*21.5	17.0	12.5	9.5	12.5	7.5	4.5	0.5	2.0	6.9
15.5	10.0	9.0	14.5	*21.5	*21.5	18.5	18.0	9.0	9.0	8.0	4.0	9.2
12.5	*16.0	14.0	13.0	6.0	0.5	0.0	3.0	2.5	2.0	1.0	1.5	4.4
13.0	9.0	4.5	8.5	14.5	*22.0	19.0	10.5	4.5	6.0	3.5	7.0	7.3
*26.0	19.5	19.5	22.0	17.0	16.5	19.5	13.5	9.5	8.0	6.5	0.0	10.4
8.0	*11.0	5.0	5.0	7.0	1.5	1.0	3.0	1.0	2.0	2.0	0.0	*3.9
3.0	6.0	7.5	*23.0	21.5	6.0	8.5	12.0	11.5	5.5	4.5	3.0	7.4
17.0	*27.0	*27.0	26.0	*27.0	26.0	20.0	13.0	16.0	11.0	12.0	12.0	13.1
9.0	18.0	22.0	25.0	25.0	19.0	15.0	13.0	16.0	15.0	11.0	0.0	11.8
28.0	*34.5	32.0	29.0	23.0	16.0	9.0	6.5	12.5	13.0	12.0	16.0	*14.1
14.0	*31.0	21.0	27.0	25.0	26.0	15.0	8.5	8.5	9.0	9.0	10.0	11.8
19.0	*28.5	26.0	25.0	15.0	18.0	19.0	15.0	17.0	16.0	9.5	10.5	12.9
22.5	*30.0	29.5	29.0	23.5	20.0	14.0	10.5	13.5	10.0	7.5	12.0	12.8
26.0	30.0	31.0	*32.0	26.5	25.0	19.5	10.0	12.0	9.5	8.0	4.5	*14.1
12.0	12.0	*29.0	28.0	27.0	17.0	13.0	13.5	11.5	15.0	11.5	5.5	11.2
14.5	19.0	*29.5	25.5	24.5	15.5	13.5	17.0	17.0	17.5	12.5	12.5	11.7
13.5	15.0	*20.5	9.5	18.0	19.5	17.5	11.0	12.0	6.0	5.0	3.0	9.7
13.5	20.5	22.0	22.0	21.0	*23.0	16.0	10.0	11.0	10.5	5.0	4.5	10.4
11.5	16.0	13.5	23.0	*24.0	23.0	22.5	10.5	10.5	11.5	3.5	6.0	9.4
*21.5	20.0	14.0	14.0	16.0	17.0	14.0	7.5	8.5	4.5	7.0	6.5	9.0
*27.0	23.0	24.0	16.5	20.0	16.5	12.5	8.0	2.5	0.5	1.0	1.0	11.2
16.9	19.8	20.2	*20.9	20.3	17.6	14.5	10.6	9.3	7.8	5.8	4.9	9.8

FREQUENCY OF THE WIND.

Day.	N. NNW.	NW. WNW.	W. WSW.	SW. SSW.	S. SSE.	SE. ESE.	E. ENE.	NE. NNE.	Calm.
1	2					1	5	8	8
2						1	14	1	8
3						3	8	2	11
4			4	1		5	5	2	7
5						11	4		9
6			1			8	9		6
7			3		2	8	4		7
8			4	2		8	1		9
9		2	6	4	1	3	3		5
10			8	4	1				11
11	1	3	4		1	10			5
12	1	3	1		1	2		1	15
13		1	4			6	6		7
14	1		3			1	8	5	6
15	2							6	16
16		1	4			4	5	2	8
17			5			12	1	2	4
18			4			10		3	7
19	1		2		3	9	4		5
20				2		12	6		4
21		2	3		1	8	6	2	2
22						11	8	2	3
23					1	13	4		6
24		2	3		2	10		1	6
25			3		3	11	2		5
26		1	6		1	3	3	4	6
27			3			7	6	1	7
28			2		1	6	7		8
29					1	13	4	2	4
30						4	9	5	6
Mean	*0.3	0.5	2.4	0.4	0.6	6.7	4.4	1.6	*7.0

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.
1-----	62.45	8.30 a.	33.9	11.55 a.	83.0	21.2	59.35	3.20 p.	21.4	5.10 a.	41.0	15.5
2-----	61.80	8.30 a.	34.3	1.30 p.	91.0	21.2	58.60	3.35 p.	23.7	6.00 a.	37.0	13.9
3-----	61.15	8.15 a.	32.7	1.50 p.	86.0	19.4	57.55	3.35 p.	20.6	6.50 a.	*34.0	*11.6
4-----	61.35	10.30 p.	30.4	2.10 p.	91.0	21.8	58.40	3.45 p.	20.6	6.35 a.	57.0	15.8
5-----	61.45	10.10 p.	34.2	2.55 p.	95.0	21.9	58.35	3.50 p.	22.9	6.10 a.	46.0	16.0
6-----	61.60	8.20 a.	34.4	0.55 p.	82.5	19.6	58.25	3.45 p.	21.5	6.30 a.	45.0	16.2
7-----	61.54	8.00 a.	33.7	1.05 p.	84.0	20.0	57.67	3.00 p.	21.5	6.00 a.	45.0	16.6
8-----	61.80	9.10 a.	34.4	4.15 p.	84.0	*18.1	58.15	3.45 p.	20.2	6.10 a.	*34.0	12.8
9-----	61.28	9.00 a.	33.9	3.45 p.	79.0	20.3	57.41	4.00 p.	*18.7	6.00 a.	42.0	13.5
10-----	61.80	8.50 a.	33.2	2.00 p.	85.0	*25.7	57.55	4.15 p.	21.8	5.10 a.	55.0	17.6
11-----	61.75	9.35 a.	33.4	3.45 p.	83.0	21.8	58.40	4.25 p.	23.7	3.20 a.	57.0	19.1
12-----	61.70	10.45 p.	30.8	0.50 p.	83.5	23.0	58.59	4.00 p.	24.1	5.50 a.	61.0	18.1
13-----	61.45	10.30 p.	34.6	3.20 p.	86.0	22.6	58.41	4.00 p.	22.1	5.50 a.	55.0	18.4
14-----	*63.40	10.20 p.	34.6	1.15 p.	87.0	20.9	59.45	3.05 p.	22.9	6.40 a.	41.0	15.8
15-----	63.30	9.55 a.	*27.7	3.50 p.	95.0	23.5	*60.10	3.20 p.	22.8	7.40 a.	*86.0	*20.4
16-----	61.90	0.05 a.	33.4	3.05 p.	*99.0	24.0	57.80	3.55 p.	22.7	6.20 a.	62.0	*20.4
17-----	*59.95	0.05 a.	34.3	2.55 p.	91.0	21.4	*56.45	3.35 p.	22.6	5.55 a.	55.0	18.2
18-----	60.25	9.05 a.	35.5	2.10 p.	89.0	21.6	57.10	4.45 p.	22.3	6.50 a.	40.0	14.6
19-----	61.25	9.25 a.	34.3	2.05 p.	82.0	19.3	57.75	4.15 p.	21.0	5.50 a.	47.5	16.3
20-----	61.30	8.15 a.	33.4	2.05 p.	82.0	21.0	58.35	4.45 p.	22.9	5.50 a.	52.0	17.9
21-----	60.60	8.20 a.	34.7	1.55 p.	88.0	21.6	57.15	3.55 p.	22.7	6.05 a.	39.0	14.9
22-----	60.31	9.00 a.	34.7	0.10 p.	80.0	19.5	56.95	3.35 p.	21.7	4.55 a.	47.0	16.0
23-----	60.72	9.00 a.	34.9	2.05 p.	79.0	21.1	57.26	4.00 p.	*24.8	6.00 a.	48.0	17.7
24-----	60.55	9.15 a.	34.7	3.10 p.	81.0	21.0	57.40	3.55 p.	22.0	5.50 a.	53.0	17.4
25-----	60.60	8.35 a.	*35.7	1.50 p.	85.0	20.6	57.25	4.15 p.	21.6	5.50 a.	37.0	12.5
26-----	60.00	8.55 a.	35.0	4.05 p.	*76.0	21.6	56.75	2.45 p.	21.7	3.10 a.	52.0	15.4
27-----	60.30	9.50 p.	33.4	4.10 p.	83.0	22.9	57.55	4.00 p.	24.6	5.05 a.	50.0	18.0
28-----	60.75	9.45 p.	33.9	0.10 p.	86.0	23.2	58.40	3.10 p.	23.3	5.55 a.	54.0	18.9
29-----	61.00	7.45 a.	33.2	1.55 p.	87.0	23.5	58.77	3.00 p.	23.4	6.30 a.	57.5	19.8
30-----	60.65	7.05 a.	33.8	0.10 p.	91.0	20.7	57.75	3.50 p.	22.3	6.15 a.	46.0	16.5
Mean	61.26		33.7		85.8	21.5	57.96		22.3		49.2	16.5

GENERAL REMARKS.

Day.	Remarks.	Day.	Remarks.
1----	Lunar corona in the early morning; veil of cirrus in the forenoon; lightning to the SSE. at night.	18----	Gusty wind from the second quadrant in the afternoon.
2----	Drizzle in the early morning; gusty wind from E. in the warm hours; cirrus to the SSW. in the afternoon.	19----	Gusty wind from the second quadrant (16-17 m. p. s.) in the afternoon.
3----	Gusty wind from E. in the afternoon.	20----	Drizzle in the morning; gusty wind from SE. in the afternoon; rainbow and clouds colored at sunset.
4----	Lunar corona in the early morning; gusty wind from E. in the afternoon.	21----	Gusty wind from the second quadrant in the afternoon.
5----	Gusty wind from ESE. during the hot part of the day: maximum velocity 15 m. p. s.	22----	Gusty wind from the second quadrant in the afternoon; clouds colored at sunset.
6----	Gusty wind from the second quadrant in the afternoon.	23----	Gusty wind from the second quadrant in the afternoon.
7----	Like the last day.	24----	Like the last day.
9----	Cirrus, feathers, from NE. to SW. in the morning.	25----	Identical with the last days.
11----	Cloudy in the morning; lightning to the NW. in the night.	26----	Drizzle and lightning to the second quadrant in the night.
12----	Rainbow in the early morning; lunar corona at night.	27----	Thunderstorm in the first and fourth quadrants in the early morning; and to the N. in the forenoon.
13----	Rain in different points and light rain in the locality in the afternoon; lightning to the W. at night.	28----	Thunderstorm to the fourth quadrant with passing rain in the locality and gusty wind; clouds colored at sunset.
14----	Rainbow at 5 ^h 30 ^m p. m.; lunar corona at night.	29----	Drizzle and passing rain in the morning.
15----	Drizzle almost all day; lunar corona and lightning to the NNE. at night.	30----	Drizzle in the early morning; clouds colored at sunset.
17----	Thunderstorm to the E. and to the SW. in the forenoon.		

GENERAL APPEARANCE OF THE SKY.

	Clear.	Cloudy.	Variable.
Early morning -----	15	8	7
Morning -----	6	5	19
Afternoon -----	11	5	14
Evening -----	19	6	5

OBSERVATIONS FOR APRIL, 1902.

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Day.	Total wind velocity (kil. p. h.).	Admidometer.	Rainfall.	Ozone.		Sunshine.	Bay.	Underground temperature. 8 a. m.			Meteors.
				6 a.	6 p.			25 cm.	50 cm.	1 m.	
1	144.0	12.1		2.0	3.0	8-30	T	*28.4	*29.3	28.8	
2	263.5	*13.9	0.1	1.0	2.5	9-10	T	28.9	*29.3	*28.7	
3	295.5	13.5		3.5	2.5	9-55	T	29.4	29.9	28.9	
4	198.5	9.6		2.5	2.0	4-15	S	28.9	29.7	28.8	
5	267.5	10.5	0.2	3.5	2.0	10-20	T	29.3	29.7	28.8	
6	219.0	11.2		4.0	3.0	10-20	T	29.9	30.0	29.0	
7	258.0	12.1		4.0	2.0	10-00	T	29.7	30.0	28.9	
8	157.0	11.1		1.5	3.5	11-05	S	29.8	30.1	28.9	
9	154.5	10.4		4.0	3.0	*11-15	S	30.0	30.3	29.0	
10	166.0	7.8		2.0	2.0	10-20	S	30.2	30.3	29.0	
11	221.5	7.2		3.0	3.5	6-30	S	30.9	30.4	29.0	
12	105.5	7.5		2.0	2.0	2-05	S	30.4	30.4	29.1	
13	175.5	6.2		0.5	3.5	8-00	S	30.0	30.4	29.3	
14	250.5	10.0	1.5	3.0	2.5	9-10	T	30.1	30.3	29.2	
15	*94.0	*3.6	*3.0	2.0	0.5	0-00	S	30.0	30.0	29.1	
16	177.5	4.2	0.6	2.0	2.5	8-10	S	28.9	30.1	29.3	
17	314.0	9.3		1.5	2.0	10-10	T	29.1	30.2	29.5	
18	284.0	10.6		0.5	3.0	10-10	S	29.6	30.2	29.4	
19	*338.5	11.1		1.5	1.5	9-30	L	30.1	30.6	29.5	
20	282.5	10.3		1.5	1.0	10-30	S	30.5	30.6	29.4	
21	309.0	10.1		1.5	2.5	11-05	L	30.2	30.5	29.5	
22	307.5	13.6		2.0	2.0	9-00	S	30.1	30.3	29.5	
23	337.5	12.4		0.5	2.0	10-25	S	*31.9	30.9	29.7	
24	270.0	10.3		1.5	2.0	11-10	L	31.2	31.0	29.7	
25	281.0	11.5		2.0	1.0	11-10	S	31.4	*31.2	29.8	
26	233.0	11.6		2.5	3.0	10-20	S	30.7	31.0	29.8	
27	250.5	9.9		1.5	2.0	9-40	S	31.0	31.0	29.8	
28	226.5	7.1		0.5	3.5	9-00	S	30.7	31.0	29.9	
29	215.5	6.5	1.8	1.5	3.0	3-10	S	29.8	30.5	29.7	
30	269.0	9.1		2.5	1.0	8-10	T	30.0	30.9	*30.0	
Total	7,066.5	294.3	7.2			262-35					
Mean	235.6	9.8	0.2	2.0	2.3	8-45		30.0	30.3	29.3	

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

ATMOSPHERIC PRESSURE, 700mm +.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	59.85	59.55	59.20	59.20	59.45	59.64	59.99	60.16	*60.43	59.97	59.77	59.34
2-----	59.55	59.45	59.40	59.60	59.73	60.18	60.60	60.99	60.96	60.70	60.23	59.56
3-----	60.20	59.85	59.55	59.55	59.62	60.26	60.58	*60.93	60.89	60.47	60.00	59.49
4-----	60.05	59.85	59.55	59.75	59.80	60.09	60.40	*60.77	*60.77	60.45	59.95	59.01
5-----	59.35	58.85	58.40	58.40	58.73	59.14	59.60	60.09	*60.22	59.92	59.17	58.76
6-----	59.40	58.95	58.70	58.65	59.12	59.54	59.98	*60.23	60.19	59.96	59.62	59.29
7-----	59.25	58.75	58.40	58.40	58.44	58.81	59.65	60.28	*60.29	59.96	59.60	59.02
8-----	59.30	58.90	58.60	58.65	58.82	59.13	59.55	59.72	*59.74	59.50	59.19	58.71
9-----	58.95	58.90	58.80	58.75	58.63	58.94	59.44	*59.74	59.72	59.34	59.01	58.43
10-----	59.40	58.90	58.40	58.45	58.50	58.90	59.18	*59.52	59.43	59.08	58.56	58.30
11-----	58.60	58.20	58.25	58.40	58.96	59.27	59.53	60.07	*60.28	59.75	59.37	58.81
12-----	59.05	58.40	58.05	58.10	58.43	59.07	59.59	59.89	60.11	60.08	59.62	59.16
13-----	59.65	59.20	59.10	59.10	59.08	59.63	60.00	60.46	*60.83	60.53	60.28	60.02
14-----	60.00	59.95	59.95	60.00	59.99	60.27	60.29	60.79	*60.90	60.85	60.58	59.66
15-----	59.75	59.45	59.30	59.15	59.39	59.84	60.19	60.29	60.13	59.84	59.51	59.17
16-----	59.40	58.95	58.95	59.10	59.50	59.60	60.03	60.53	60.76	60.77	60.31	59.77
17-----	60.00	59.90	59.65	59.65	59.94	60.29	60.64	61.18	61.06	61.03	60.80	60.16
18-----	*60.65	60.00	59.55	59.60	59.88	60.17	60.31	60.47	60.44	60.10	59.68	58.97
19-----	58.00	57.45	57.10	56.95	57.07	57.61	57.84	57.93	*58.03	57.91	57.07	56.51
20-----	55.60	54.95	54.15	54.45	54.52	54.60	55.03	55.64	*55.74	55.71	55.09	54.72
21-----	54.90	54.50	54.45	*54.20	54.44	54.67	55.27	55.61	56.01	55.99	55.87	55.64
22-----	56.30	55.90	*55.80	*55.80	55.99	56.38	56.82	57.22	57.74	57.53	57.09	56.87
23-----	57.50	57.30	57.10	57.35	57.41	57.71	57.99	58.34	58.84	*59.03	58.84	58.56
24-----	58.90	58.55	58.50	58.40	58.27	58.64	58.82	59.47	59.43	59.24	59.22	58.90
25-----	59.15	58.90	58.65	58.85	58.90	59.19	59.16	*59.48	59.43	59.42	59.04	58.50
26-----	58.80	58.50	58.35	58.70	58.48	58.74	59.17	59.58	*59.67	59.27	59.04	58.48
27-----	58.10	57.80	57.80	57.95	58.21	58.73	58.97	59.12	59.21	59.12	58.95	58.45
28-----	58.90	58.60	58.40	58.40	58.72	58.86	59.10	59.22	59.24	58.97	58.68	58.35
29-----	59.55	59.15	59.10	59.15	59.26	59.75	59.78	59.93	59.79	59.68	59.32	58.90
30-----	59.05	58.50	57.90	57.75	57.79	58.26	58.62	58.76	58.81	58.41	58.33	57.97
31-----	57.80	57.35	57.35	57.30	57.21	57.36	57.43	57.53	57.79	*57.83	57.39	56.73
Mean	58.87	58.50	58.27	58.31	58.46	58.82	59.15	59.48	*59.58	59.37	59.01	58.52

TEMPERATURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	25.9	25.6	24.8	24.2	*23.3	23.4	26.1	29.5	30.1	31.6	32.7	32.9
2-----	25.9	25.4	24.9	24.4	*23.9	23.9	26.7	29.6	31.5	31.1	31.0	32.2
3-----	25.5	25.3	25.3	25.1	25.0	*24.9	25.7	28.9	29.6	29.8	30.9	*31.8
4-----	25.5	25.4	25.1	24.8	*24.4	*24.4	25.4	28.8	30.9	31.4	31.6	32.5
5-----	26.5	26.1	25.8	25.3	25.1	*24.9	26.3	28.7	29.7	29.5	31.4	31.3
6-----	26.7	26.3	25.3	24.6	24.1	*24.0	26.3	29.3	30.0	30.0	30.2	30.7
7-----	25.7	25.5	24.4	*23.4	*23.4	24.5	25.8	28.4	30.2	30.1	31.4	32.6
8-----	26.7	25.8	25.5	25.0	24.9	*24.3	26.5	28.8	30.6	32.3	32.8	33.2
9-----	26.8	26.4	24.7	24.4	24.7	*24.1	26.2	30.1	30.9	31.3	31.1	32.0
10-----	27.2	27.1	26.7	26.3	26.1	*25.9	28.8	30.3	30.4	31.1	32.0	31.9
11-----	28.0	27.6	27.5	27.2	26.6	26.6	*26.5	27.8	28.8	31.5	31.8	*32.7
12-----	26.7	26.7	26.6	26.3	*25.7	25.9	27.8	30.1	30.9	30.9	31.2	31.9
13-----	27.1	26.6	26.3	26.2	26.1	*25.9	26.4	27.1	28.9	30.1	30.3	30.4
14-----	27.8	27.6	26.9	26.1	25.3	25.1	27.5	29.8	31.6	30.8	31.5	*32.7
15-----	24.7	24.5	24.6	24.5	*24.3	*24.3	26.7	28.9	30.9	31.6	31.9	31.9
16-----	26.4	25.8	25.6	25.6	25.6	25.5	28.2	30.6	31.6	31.3	32.7	32.4
17-----	*24.5	25.2	25.2	25.3	25.1	24.6	25.6	27.9	30.8	30.8	31.2	31.9
18-----	26.5	26.2	25.4	25.1	*24.5	24.6	26.9	28.8	30.1	32.3	31.6	32.1
19-----	28.2	27.6	27.1	26.7	25.6	25.6	26.7	28.9	29.6	30.6	31.6	31.1
20-----	*26.7	26.8	28.0	27.6	26.8	28.5	29.4	30.1	30.5	31.7	32.2	*32.3
21-----	29.3	29.2	29.1	29.0	28.7	28.4	29.2	29.4	29.2	30.0	*30.2	28.8
22-----	25.6	26.4	26.7	26.2	*25.4	*25.4	25.9	25.9	26.4	28.0	28.9	*30.4
23-----	26.8	26.6	25.4	25.0	*24.9	*24.9	25.8	28.2	29.9	30.9	31.2	29.4
24-----	26.5	26.3	26.2	25.9	*25.6	25.7	27.7	30.6	30.8	30.4	*31.4	30.7
25-----	26.7	26.2	25.6	24.9	*24.7	24.8	25.9	28.2	30.1	31.1	31.3	31.3
26-----	26.4	25.9	25.6	25.6	25.3	*25.2	27.5	28.9	30.1	30.7	30.9	31.7
27-----	27.9	27.7	27.0	26.7	*25.9	26.2	27.8	29.4	30.6	31.2	31.1	31.8
28-----	26.2	26.1	25.8	25.6	*25.4	25.7	27.8	30.3	30.7	31.6	32.3	32.7
29-----	25.8	25.7	25.2	24.7	24.6	*24.5	27.2	29.4	30.8	31.5	32.0	*32.2
30-----	25.4	25.1	24.7	*24.6	25.1	24.8	26.1	27.7	29.0	30.4	31.2	31.6
31-----	26.1	26.0	25.9	25.8	25.5	25.6	28.0	30.4	30.4	30.9	31.5	32.1
Mean	26.5	26.3	25.9	25.6	*25.2	*25.2	26.9	29.1	30.2	30.9	31.4	31.7

OBSERVATIONS FOR MAY, 1902.

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ATMOSPHERIC PRESSURE, 700mm +.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
58.35	57.86	57.82	*57.61	57.77	58.50	59.16	59.58	59.96	60.05	60.15	59.85	59.30
58.77	58.26	*57.97	*57.97	58.27	59.12	59.95	60.38	60.56	*61.25	61.20	60.70	59.81
59.01	*58.77	59.00	58.93	59.57	59.77	59.89	60.28	60.61	60.80	60.85	60.30	59.97
58.04	57.54	*57.26	57.29	57.51	58.25	58.72	59.23	59.62	59.85	59.85	59.65	59.30
57.79	56.96	57.00	*56.88	57.10	57.82	58.25	58.67	59.52	60.00	60.10	59.80	58.77
58.35	57.64	57.23	*57.06	57.10	57.65	58.21	58.52	58.97	59.70	59.80	59.75	58.90
58.16	57.55	56.84	*56.58	56.89	57.46	58.10	58.52	59.06	59.45	59.55	59.50	58.69
57.99	57.43	57.09	*56.70	56.78	57.10	57.49	57.95	58.71	58.95	59.45	59.10	58.52
57.66	57.05	56.50	*56.25	56.36	56.81	57.50	58.00	59.10	59.40	59.60	59.40	58.43
57.32	56.65	*56.40	56.42	56.50	57.29	57.83	58.46	58.96	59.05	58.95	58.85	58.30
58.20	57.75	57.30	*57.26	57.39	57.95	58.46	58.98	59.43	59.65	59.55	59.15	58.77
58.55	58.10	57.94	*57.59	57.75	58.34	59.06	59.55	60.00	60.15	*60.30	59.85	59.03
59.20	58.60	58.18	*57.89	58.30	58.70	59.07	59.77	60.28	60.60	60.50	60.20	59.55
59.36	*58.71	59.03	58.87	59.10	59.64	59.79	60.02	60.03	60.05	59.95	59.90	59.90
58.70	58.11	*57.56	57.74	58.12	58.47	59.15	59.58	60.05	*60.35	*60.35	59.80	59.33
59.00	58.46	58.17	*57.91	58.74	59.44	60.28	60.73	*61.66	61.20	60.80	60.60	59.78
59.27	58.45	*58.24	58.41	58.32	58.99	59.65	60.37	60.93	61.40	*61.70	61.25	*60.05
58.35	57.75	*57.21	57.25	57.29	57.50	58.25	58.61	58.82	59.20	59.25	58.70	59.08
55.82	55.05	53.95	*53.61	54.15	55.90	55.74	55.78	56.13	56.50	56.25	55.75	56.42
54.19	53.55	53.31	*53.21	53.42	53.92	54.37	54.78	55.36	55.55	55.50	55.50	*54.70
55.18	54.87	55.10	55.12	55.32	55.60	55.74	56.53	56.88	*56.90	56.70	56.30	55.49
56.62	56.52	56.26	56.24	56.30	56.99	57.43	57.78	58.18	*58.20	58.10	57.70	56.91
58.06	57.53	*57.03	57.15	57.57	57.82	58.03	58.14	58.52	58.95	58.95	59.00	58.03
58.51	58.00	57.75	*57.58	57.87	58.56	59.04	59.43	*59.74	59.65	59.55	59.55	58.82
57.93	57.83	57.40	*57.34	57.52	57.98	58.02	58.52	59.04	59.25	59.40	59.15	58.67
57.91	57.67	57.01	*56.64	56.71	57.38	57.82	58.23	58.48	58.70	58.85	58.75	58.37
57.72	57.96	57.65	*57.51	57.90	58.18	58.62	59.05	59.59	*60.15	59.85	59.40	58.58
57.90	57.21	57.29	*57.20	57.80	58.74	58.90	59.27	59.84	*60.05	60.00	59.95	58.73
58.03	57.70	57.43	57.33	*57.29	58.37	58.89	59.39	59.98	*60.00	59.60	59.45	59.03
57.40	56.76	56.45	*56.41	56.75	57.20	58.12	58.63	*59.32	59.30	58.70	58.35	58.06
56.05	55.02	*54.56	54.85	55.01	55.66	56.50	56.49	56.50	56.90	56.85	56.65	56.67
57.85	57.33	57.03	*56.93	57.18	57.78	58.26	58.68	59.16	59.39	59.36	59.09	58.51

TEMPERATURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
*33.9	33.3	32.9	31.8	32.1	31.0	29.4	28.3	27.8	27.2	26.7	26.4	28.8
31.9	32.3	*33.2	32.1	32.1	31.1	28.7	27.2	27.2	26.2	25.8	25.5	28.5
31.1	31.3	28.3	26.6	26.8	27.1	27.2	26.7	26.6	26.3	26.0	25.8	*27.4
*33.0	32.5	32.9	32.9	32.1	30.4	28.9	28.7	28.2	27.7	27.4	27.1	28.8
32.7	*33.3	31.7	30.1	31.0	30.1	29.1	28.0	28.3	28.1	27.6	27.2	28.7
32.2	*33.8	33.3	33.1	31.8	31.1	29.9	28.8	28.4	27.7	26.9	26.5	28.8
34.3	*34.5	33.9	33.8	33.2	31.3	29.5	28.8	28.3	27.9	27.2	27.0	29.0
34.0	34.3	*34.4	34.1	33.2	31.3	29.6	28.9	28.4	27.6	27.6	27.4	29.5
32.4	34.1	*34.2	32.0	31.4	30.7	29.9	28.7	28.9	28.8	28.3	27.7	29.2
*33.2	32.8	32.7	32.2	31.6	30.6	30.0	29.9	29.5	29.4	29.3	28.3	29.7
30.7	32.1	31.9	31.7	31.2	29.8	29.4	29.4	29.4	29.1	28.4	27.3	29.3
*32.5	32.4	31.8	32.2	31.8	30.1	29.5	29.4	28.9	27.6	27.5	27.4	29.2
33.1	33.3	*33.9	*33.9	32.9	31.6	30.5	29.7	29.4	29.1	28.6	28.0	29.4
32.2	31.6	30.3	29.8	26.3	26.3	26.2	26.0	25.9	26.0	25.5	*25.0	28.1
*32.7	32.2	32.3	32.1	31.2	30.2	29.7	29.4	29.2	28.8	28.2	27.2	28.8
32.8	*32.9	32.6	32.6	32.2	31.1	30.2	30.0	26.7	24.8	24.5	*24.4	29.0
33.1	*33.9	33.5	31.7	31.7	30.4	29.7	28.9	28.4	28.1	27.9	27.7	28.9
33.3	*34.3	33.5	31.3	33.5	32.7	30.0	29.3	29.0	28.5	28.3	28.5	29.4
32.4	*33.1	32.8	32.5	31.6	28.8	*24.1	24.2	29.6	27.2	26.2	26.5	28.7
32.2	*32.3	32.2	31.4	31.0	30.6	30.4	30.4	30.1	30.0	29.9	29.8	*30.0
29.3	27.3	27.8	27.7	26.6	26.4	26.0	26.1	26.1	25.6	*25.4	25.5	27.9
30.1	29.8	29.1	28.2	28.1	28.1	27.7	27.9	27.7	27.6	26.8	26.7	27.5
30.7	30.9	*31.4	*31.4	30.5	29.6	29.4	29.2	28.6	28.4	28.3	27.2	28.5
30.6	30.2	30.5	29.6	29.5	28.9	28.7	28.6	28.6	28.0	27.5	27.2	28.6
31.1	30.9	*31.5	31.1	30.1	29.4	29.0	28.8	28.6	27.8	27.3	26.8	28.5
31.7	*32.1	32.0	31.8	31.2	30.0	29.6	29.5	29.4	29.1	28.7	28.3	29.0
32.1	31.8	*32.8	30.8	30.1	29.9	30.2	29.5	29.7	27.2	26.7	26.3	29.2
33.5	34.1	*34.3	31.7	30.2	27.1	27.2	27.3	27.2	26.9	26.3	26.0	28.8
31.3	30.8	31.3	29.7	29.4	29.7	29.5	27.7	26.7	26.2	26.1	25.5	28.2
32.2	32.2	31.8	*32.9	32.3	31.1	30.6	30.4	26.7	27.1	26.6	26.3	28.6
32.5	*32.6	32.5	31.5	30.4	30.4	29.2	25.4	25.5	25.6	*25.4	25.5	28.5
32.2	*32.4	32.2	31.4	30.9	29.9	29.0	28.4	28.2	27.6	27.2	26.8	28.8

RELATIVE HUMIDITY.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	78.0	76.0	80.0	84.0	*89.0	87.0	78.0	60.0	57.0	54.5	48.0	45.5
2-----	77.0	79.0	81.0	83.0	86.0	86.0	77.0	67.0	58.0	62.0	59.0	59.0
3-----	90.0	92.0	92.0	93.0	95.0	*96.0	91.0	76.0	74.0	73.0	65.0	*58.0
4-----	91.0	93.0	93.0	94.0	*95.0	92.0	90.0	71.0	64.0	57.0	65.0	55.0
5-----	80.0	82.0	83.0	85.0	85.0	*86.0	81.0	71.0	69.0	72.0	64.0	60.0
6-----	84.0	83.0	86.0	*88.0	86.0	86.0	77.0	70.0	65.0	67.0	68.0	65.0
7-----	78.0	79.0	79.0	82.0	*84.0	77.0	72.0	62.0	59.0	62.0	59.0	58.0
8-----	77.0	81.0	81.0	*83.0	82.0	82.0	76.0	63.0	55.0	44.0	47.0	48.0
9-----	82.0	82.0	83.0	83.0	83.0	*85.0	77.0	64.0	63.0	63.0	62.0	61.0
10-----	81.0	80.0	80.0	82.0	82.0	*83.0	75.0	74.0	74.0	67.0	65.5	65.0
11-----	84.0	86.0	84.0	86.0	90.0	90.0	*92.5	88.0	87.0	69.0	69.0	67.0
12-----	*88.0	87.0	86.0	87.0	*88.0	*88.0	82.0	69.0	67.0	67.0	68.0	*62.0
13-----	86.0	86.0	86.0	87.0	88.0	*89.0	*89.0	85.0	79.0	75.0	71.0	72.0
14-----	82.0	83.0	85.0	86.0	91.0	90.0	81.0	77.0	70.0	69.0	71.0	*64.0
15-----	92.0	91.5	92.0	91.5	92.0	*94.0	86.0	81.0	71.0	70.0	67.0	67.0
16-----	89.0	*93.0	*93.0	*93.0	*93.0	*93.0	83.0	76.0	73.0	68.0	66.5	63.0
17-----	*91.5	89.0	91.0	91.0	90.0	90.0	84.0	77.0	67.0	68.0	69.0	65.0
18-----	79.5	81.0	84.0	84.0	87.0	*88.0	80.0	73.0	69.0	57.0	64.0	61.0
19-----	76.0	76.0	76.0	77.0	82.0	82.0	80.0	74.0	77.0	76.0	70.0	69.0
20-----	89.0	*90.0	85.0	82.0	86.0	76.0	73.0	71.0	69.0	66.0	63.0	66.0
21-----	*70.0	73.0	74.0	76.0	77.0	75.0	71.5	76.0	81.0	79.0	78.0	80.0
22-----	95.0	92.0	91.0	90.0	*96.0	95.0	92.0	93.5	86.0	79.0	79.0	74.0
23-----	88.0	86.0	90.0	93.0	94.0	*95.0	*95.0	85.0	79.5	74.5	72.0	76.0
24-----	90.0	90.0	89.5	90.0	*92.0	90.0	84.0	72.0	74.0	74.0	71.5	72.0
25-----	89.0	90.0	90.0	*95.0	*95.0	*95.0	92.0	83.0	75.0	72.0	72.0	71.0
26-----	86.0	88.5	91.0	91.0	*93.0	*93.0	84.0	79.0	75.0	72.0	71.0	*69.0
27-----	88.0	91.0	91.0	92.0	93.5	*94.0	88.0	83.0	77.0	75.0	74.0	70.0
28-----	85.0	88.0	90.0	*93.0	*93.0	*93.0	87.0	75.0	74.0	70.0	69.0	65.0
29-----	86.0	88.0	92.0	*94.0	*94.0	*94.0	83.5	77.0	72.0	71.0	*67.0	*67.0
30-----	88.0	88.0	89.0	89.0	88.0	*92.0	86.0	82.0	78.0	73.0	72.0	70.0
31-----	85.0	88.0	91.0	91.0	*93.0	*93.0	84.0	77.0	76.0	74.0	68.0	67.5
Mean	84.7	85.5	86.4	87.6	*89.1	88.7	82.9	75.2	71.4	68.4	66.9	64.9

VAPOR PRESSURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	19.3	18.5	18.7	18.8	18.9	18.6	19.5	18.4	18.0	18.8	17.6	*16.9
2-----	19.1	19.0	19.0	18.9	19.0	19.0	20.1	20.7	19.9	21.0	19.6	21.1
3-----	21.8	21.9	21.9	22.1	22.4	22.4	22.3	22.5	22.8	22.8	21.7	20.3
4-----	22.0	22.3	22.1	21.9	21.6	21.0	21.7	21.0	21.1	19.4	*22.4	20.1
5-----	20.6	20.7	20.5	20.5	*20.1	*20.1	20.6	20.9	21.5	22.0	21.8	20.5
6-----	*21.9	21.2	20.6	20.3	19.3	19.0	19.6	21.1	20.5	21.0	21.6	21.4
7-----	19.0	19.1	18.0	17.5	17.9	*17.6	17.8	17.7	18.8	19.6	20.0	*21.3
8-----	20.1	20.1	19.7	19.4	19.1	18.6	19.5	18.6	17.9	15.7	17.5	18.1
9-----	21.4	20.9	19.3	*18.9	19.3	*18.9	19.5	20.4	20.9	21.4	20.7	21.4
10-----	21.8	21.3	20.9	20.8	20.7	*20.6	22.0	23.6	24.0	22.7	23.1	22.8
11-----	23.5	23.6	23.0	23.0	23.4	23.4	23.6	24.5	*25.6	23.7	24.0	24.7
12-----	22.9	22.7	22.4	22.2	*21.5	21.8	22.9	22.0	22.2	22.4	23.0	21.8
13-----	22.8	22.3	21.9	22.0	22.1	22.2	22.7	22.7	23.4	23.7	22.7	23.3
14-----	22.8	22.8	22.4	21.7	21.8	*21.3	22.0	23.9	24.1	22.9	*24.3	23.4
15-----	21.2	21.0	21.1	21.0	*20.9	21.2	22.3	24.0	23.5	24.1	23.7	23.5
16-----	22.7	22.8	22.8	22.8	22.8	22.4	23.6	24.9	*25.2	23.1	24.5	22.7
17-----	20.9	21.2	21.6	21.8	21.3	20.7	20.6	21.4	22.2	22.4	*23.5	23.0
18-----	20.4	20.4	20.3	20.0	*19.8	20.3	21.2	21.4	21.8	20.4	22.1	21.8
19-----	21.6	20.8	20.3	20.1	*20.0	*20.0	20.7	21.9	23.6	24.9	24.1	23.3
20-----	23.2	23.7	*23.8	22.6	22.4	22.0	22.3	22.7	22.5	22.9	22.6	23.6
21-----	*21.3	21.9	22.0	22.5	22.5	21.6	21.5	23.0	24.3	24.8	*25.0	23.4
22-----	23.2	23.5	23.7	22.8	23.1	22.9	22.8	23.2	22.0	22.3	23.4	23.7
23-----	23.0	22.3	21.7	22.0	22.0	22.2	23.5	24.2	*24.9	24.7	24.3	23.0
24-----	23.0	22.8	22.6	22.4	22.4	*22.1	23.1	23.4	24.3	24.0	24.4	23.8
25-----	23.2	22.8	22.0	22.3	22.0	22.1	22.8	23.6	23.7	24.2	*24.4	24.0
26-----	*21.9	22.0	22.1	22.1	22.2	22.2	23.0	23.4	23.7	23.8	23.4	24.0
27-----	24.7	24.9	24.1	23.9	23.2	23.6	24.3	25.2	25.1	*25.4	24.8	24.4
28-----	21.6	22.1	22.3	22.5	22.5	22.9	24.0	24.0	24.4	24.1	*24.7	23.8
29-----	21.2	21.7	21.8	21.8	21.6	21.5	22.4	23.5	23.9	*24.3	23.8	23.9
30-----	21.3	20.9	20.6	20.4	20.7	21.5	21.7	22.7	23.3	23.5	24.3	24.1
31-----	21.4	21.9	22.6	22.4	22.4	22.5	23.5	24.8	24.4	24.5	23.3	23.9
Mean	21.8	21.7	21.5	21.3	21.3	*21.2	21.8	22.4	22.7	22.6	*22.8	22.5

OBSERVATIONS FOR MAY, 1902.

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RELATIVE HUMIDITY.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
*45.0	49.0	54.0	54.0	51.0	54.0	61.0	67.0	69.0	72.0	76.0	77.0	65.2
59.0	54.0	*50.0	52.0	52.0	56.0	73.0	78.0	78.0	85.0	88.0	*90.0	70.4
62.0	58.5	77.0	88.0	87.0	84.0	83.5	87.0	90.0	90.0	91.0	90.0	82.6
55.0	54.0	50.0	*49.0	53.0	61.0	71.0	72.0	72.0	74.0	76.0	77.0	71.8
59.5	*54.0	58.0	69.0	62.0	67.5	69.5	77.0	79.0	74.0	81.0	83.0	73.0
61.0	*45.0	48.0	49.0	53.0	59.0	58.5	66.0	66.0	70.0	75.0	76.0	68.8
45.0	*44.0	45.0	48.0	48.0	58.0	66.0	69.0	71.0	71.0	75.0	76.0	65.3
44.0	41.0	*32.0	39.0	38.0	53.0	63.0	67.0	70.0	76.0	81.0	81.0	*62.7
55.0	52.0	*51.0	64.0	63.0	63.0	68.0	72.0	79.0	79.0	80.0	80.0	70.6
*60.0	61.0	64.0	67.0	66.0	73.0	76.0	79.5	79.0	79.0	79.0	82.0	73.9
74.0	67.5	67.0	67.0	*66.0	77.0	81.0	80.0	73.0	76.0	79.0	85.0	78.5
63.0	69.0	74.0	73.0	73.0	78.0	79.0	79.0	80.0	84.0	85.0	86.0	77.6
64.0	60.0	60.0	*49.5	56.0	68.0	70.0	75.0	76.0	78.0	78.0	81.0	75.4
67.0	70.0	74.0	73.0	90.0	91.0	*93.0	91.0	92.0	92.0	91.0	92.0	81.9
66.0	*63.0	*63.0	64.0	71.0	75.0	81.0	81.0	81.0	83.0	83.0	86.0	78.8
62.5	65.0	65.0	*61.0	66.0	73.0	78.0	75.0	82.0	90.0	90.0	91.0	78.4
*58.0	*58.0	60.0	62.0	67.0	70.0	73.0	73.5	70.0	71.5	73.0	73.0	74.2
57.0	*54.0	60.0	68.0	62.0	65.0	66.0	68.0	74.0	76.0	77.0	73.0	71.1
71.0	68.0	73.0	*65.0	68.0	79.0	*95.0	91.0	78.0	85.0	92.0	91.0	78.0
66.0	62.0	63.0	66.0	*57.5	60.0	62.0	58.0	62.0	63.0	63.0	65.0	69.3
79.0	86.0	85.0	84.0	90.0	90.0	91.0	91.0	92.0	88.0	*93.0	92.0	82.1
*73.0	74.0	81.0	76.0	79.0	83.0	87.0	84.5	79.0	84.0	86.0	86.0	*84.8
*64.0	70.0	70.0	72.0	75.0	79.0	79.0	84.0	85.0	85.0	86.0	88.0	81.6
*69.0	77.0	74.0	79.0	78.0	83.0	75.0	83.0	82.0	84.0	87.0	88.0	81.2
*69.0	71.0	70.0	*69.0	75.0	76.0	79.0	80.0	78.0	79.0	81.0	83.0	80.4
70.0	70.0	70.5	71.0	73.0	79.0	81.0	*80.0	81.0	83.0	85.0	86.0	80.1
68.0	70.0	*67.0	76.0	76.0	77.0	70.0	81.0	78.0	76.0	80.0	84.0	80.0
62.0	*57.0	*57.0	68.5	69.5	83.0	80.0	82.0	86.0	83.0	85.0	84.0	78.3
69.5	68.0	68.0	77.0	77.0	77.0	79.0	85.0	83.0	85.0	85.0	87.0	80.2
69.0	69.0	68.0	*64.0	70.0	69.0	70.0	74.0	73.0	75.0	77.0	82.0	77.3
64.0	63.5	*62.0	72.0	78.0	78.0	70.0	88.0	86.0	87.0	88.0	88.0	79.7
62.9	*62.1	63.2	65.7	67.4	72.2	75.1	77.9	78.2	79.9	82.1	83.3	75.9

VAPOR PRESSURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
17.8	18.8	*19.9	18.7	18.1	18.0	18.6	19.1	19.2	19.2	19.8	19.7	18.7
20.8	19.4	19.1	*18.4	*18.4	18.8	21.3	21.0	21.0	21.0	21.4	*21.8	20.0
21.0	*19.8	21.9	22.7	22.8	22.4	22.4	22.7	*23.1	22.8	22.7	22.3	22.1
20.6	19.7	18.7	*18.3	18.9	19.8	20.9	21.0	20.4	20.5	20.5	20.5	20.7
21.8	20.6	20.2	22.0	20.6	21.4	20.8	21.5	*22.5	21.0	22.1	22.2	21.1
21.7	*17.7	18.4	18.3	18.5	19.8	18.3	19.4	19.1	19.5	19.6	19.5	19.9
18.0	17.9	*17.6	18.8	18.1	19.7	20.4	20.4	20.3	19.9	20.0	20.1	19.0
17.3	16.6	*13.1	15.6	14.4	18.1	19.3	19.9	20.0	20.8	*22.3	22.1	*18.5
19.9	20.8	20.3	22.5	21.4	20.6	21.3	21.0	*23.4	23.3	23.0	22.1	20.9
22.8	22.5	23.6	23.9	22.8	23.8	23.9	*24.9	24.1	24.2	24.0	23.6	22.8
24.4	23.9	23.6	23.3	*22.2	24.1	24.6	24.3	*22.2	22.7	22.7	22.9	23.6
23.1	24.9	25.7	*26.2	25.6	24.8	24.1	24.2	23.6	22.9	23.2	23.3	23.3
*24.0	23.0	23.5	*19.4	20.9	23.6	22.8	23.3	23.3	23.2	22.7	22.7	22.7
23.9	24.2	23.8	22.8	22.8	23.2	23.4	22.7	22.8	22.9	22.0	21.8	22.9
24.3	22.6	22.8	22.6	24.1	23.8	*25.0	24.7	24.4	24.3	23.6	23.0	23.0
23.1	24.2	23.9	22.2	23.7	24.6	25.0	23.8	21.3	20.9	*20.5	20.8	23.1
21.9	22.7	23.2	21.7	23.4	22.7	22.7	21.7	*20.0	20.2	20.3	20.3	21.7
21.7	21.7	23.1	23.0	*24.0	23.8	20.9	20.6	21.9	22.0	21.9	21.1	21.5
25.5	25.5	*27.2	23.5	23.6	23.3	21.1	20.5	24.0	22.8	23.2	23.4	22.7
23.4	22.4	22.6	22.7	19.2	19.7	20.0	*18.8	19.6	19.8	19.7	20.3	21.8
23.8	23.1	23.6	23.1	23.1	23.1	22.7	22.9	23.0	21.6	22.3	22.2	22.8
23.1	23.1	*24.2	*21.6	22.4	23.4	23.9	23.6	*21.6	22.9	22.4	22.3	23.0
*21.0	23.2	23.9	24.7	24.3	24.2	24.2	23.9	24.4	24.4	24.6	23.6	23.5
22.6	*24.5	23.9	*24.5	23.8	*24.5	*22.1	24.2	23.8	23.6	23.6	23.7	23.5
23.3	23.4	24.1	23.1	23.7	23.3	23.6	23.7	22.7	*21.8	21.9	*21.8	23.1
24.2	24.8	*24.9	24.8	24.8	24.8	*24.9	24.5	24.6	24.8	24.8	24.6	23.8
24.2	24.4	24.7	25.0	24.1	24.0	22.4	24.7	24.1	*20.4	20.9	21.3	*23.9
24.0	22.7	23.0	23.7	22.1	22.0	21.4	22.1	23.0	21.7	21.6	*21.0	22.8
23.6	22.4	23.0	24.0	23.5	24.0	*24.3	23.5	21.7	21.6	21.3	*21.0	22.7
24.8	24.8	23.7	23.7	*25.1	23.1	23.0	24.0	*19.0	19.9	20.0	20.9	22.4
23.3	23.2	22.4	24.6	*25.3	25.0	21.0	21.3	*20.9	21.2	21.3	21.3	22.8
22.4	22.2	22.4	22.2	22.1	22.5	22.3	22.4	22.1	21.9	21.9	21.8	22.1

UPPER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Ci.	A. cu.	A. cu.	Ci. cu. E. by S.	Ci.	Ci.
2	Ci.	Ci.	Ci.			
3	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	
4	A. cu. SE. by S.	Ci. cu.	Ci. cu.	Ci. cu.	Ci. cu.	Ci. cu.
5	Ci.	Ci.	Ci. cu. NNW.		A. cu.	
6	Ci.	Ci.	Ci.	Ci.	Ci.	Ci.
7	Ci.	Ci.	Ci.	Ci.	Ci.	Ci.
8	Ci. s.	Ci. s.	Ci.	Ci.	Ci.	Ci. s.
9	Ci. NE.	Ci.	Ci.	Ci.	Ci.	Ci.
10	Ci.	Ci.	Ci.	Ci.	Ci.	Ci.
11	Ci. s.	Ci. s.	Ci. s.	Ci. cu. NE.	A. cu.	A. cu.
12	Ci.	Ci.	Ci. s.	Ci. s.	Ci. s.	Ci.
13	A. s.	A. s.	A. s.	A. s.	A. s.	A. s.
14	Ci. s.	A. cu. SW. by W.	Ci.	Ci.	Ci. s.	Ci. s.
15	Ci.	Ci.	Ci.	A. cu. SE. by E.	Ci.	Ci.
16	Ci.	A. cu.	Ci.			
17	A. cu.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
18	Ci. s. SE.	Ci. s. SE. by E.	Ci. s. SE. by E.	Ci. s.	Ci. s.	Ci. s.
19	A. cu.	Ci. NE. by E.	Ci. s.	Ci. s. NE.	Ci. s.	Ci. s.
20	Ci.					
21	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
22		A. cu. NW. by N.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
23	Ci. s.	Ci. s.	Ci. s.	Ci. s.	A. cu.	Ci. s.
24	Ci. s.	Ci. s. ENE.	Ci. s. NE.	Ci. s. NE.	Ci. s.	Ci. s.
25	Ci. s. E. by N.	Ci. s.	Ci. s. E. by N.	Ci. s.	Ci. s. E. by N.	Ci. s.
26	Ci.	Ci.	Ci.	Ci.	Ci.	Ci.
27	Ci. s.	Ci. s. NE.	Ci. s. NE.	Ci. s.	Ci. s.	Ci. s.
28	A. cu.	A. cu.	Ci. cu.	A. cu.	Ci. s.	Ci. s.
29	Ci.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	
30	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci.	Ci.
31	Ci. s.	Ci. s.	Ci.	Ci. NE. by N.	Ci.	Ci. s.

LOWER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Cu.	Cu.	S. cu. ENE.	Cu.	Cu. E.	Cu.
2	Cu.	Cu.	Cu. E.	Cu. NNE.	Cu. E. by N.	Cu.
3	S. cu.	Cu. E. by N.	Cu. E. by N.	N. cf.	Cu.	N. cf.
4	S. cu.	Cu.	Cu. E.	Cu. E.	Cu. E.	Cu. E. by N.
5	S. cu. ESE.	Cu. N.	Cu. N. ESE.	N. cf. E. by S.	Cu. N. E. by S.	Cu. N.
6	Cu.	Cu.	Cu.	Cu. E. by S.	Cu.	Cu.
7	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
8	Cu.	Cu. E. by N.	Cu.	Cu.	Cu.	Cu.
9	Cu.	Cu.	Cu.	Cu.	Fr. cu.	Cu.
10	Cu.	Cu.	Cu. N. SE. by E.	Cu. N. ESE.	Cu. N. ESE.	Cu. N.
11	Cu. N. SW.	Cu. N.	Cu. N.	Cu. N.	Cu.	Cu.
12	Cu.	Cu. SE.	Cu.	Cu.	Cu. N.	Cu. N.
13	Fr. N.	S. cu.	S. cu.	Cu. E.	Cu. E.	Cu.
14	Cu.	Cu.	Cu. N.	Cu. N. SE.	Cu. N.	Cu.
15	S. cu.	Fr. cu. SE.	Fr. cu.	Cu. SSE.	Cu.	Cu. N.
16	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
17	S. cu.	Cu.	Cu.	Cu. E.	Cu. E. by S.	Cu.
18	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
19	S. cu. NNW.	Cu.	Cu. NNW.	Cu.	Cu.	Cu.
20	Cu. N.	Cu. N. WNW.	Cu. N.	Cu. WNW.	Cu. N.	Cu. N.
21	Fr. N. W. by N.	Fr. N.	Cu. N. W.	Cu. N. W.	Cu. N. W.	Cu. N.
22	Cu. N. W.	N. cf.	Cu. N. W. by N.	Cu.	Cu. W. by N.	Cu.
23	Fr. N. WSW.	Cu.	Cu.	Cu. WSW.	Cu.	Cu. N.
24	Cu. N.	Cu. N.	Cu. N.	Cu.	Cu.	Cu. N.
25	Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu. N.
26	Cu.	Cu. W. by N.	Cu.	Cu.	Cu.	Cu.
27	Cu. N.	Cu. N.	Cu.	Cu.	Cu.	Cu.
28	Cu.	Cu. ENE.	Cu. NE.	Cu. NE.	Cu.	Cu.
29	Cu. N.	Cu.	Cu.	Cu.	Cu. N.	Cu. N.
30	S. cu.	S. cu.	Cu. E. by S.	Cu.	Cu.	Cu.
31		Cu. E.	Cu.	Cu.	Cu.	Cu.

UPPER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Ci. s.	Ci. s.	Ci. cu.	A. cu.	Ci. s.	Ci. s.
A. cu.	Ci. s.	A. cu. ESE.	A. cu. ESE.	Ci. s. ESE.	Ci. s.
Ci. cu.	Ci. s.	Ci. s.	Ci. s. W. by N.	Ci. s.	Ci. s.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci.	Ci.	Ci. NE. by E.	Ci. s.	Ci.	Ci.
Ci.	Ci.	Ci.	Ci.	Ci.	Ci.
Ci.	Ci.	Ci.	Ci.	Ci.	Ci.
Ci.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. s. NE.	Ci. s. NE.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci. s.	Ci. s. SE.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci.	Ci.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci.	Ci.	Ci.	Ci. s.	Ci. s.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci. s. NE.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci. s. ENE.	Ci. s. NE. by E.	Ci. s.	Ci. s. NW.	Ci. s.
Ci. s.	Ci. s.	Ci. s.	A. cu. SSE.	A. cu.	Ci. s.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s. E. by N.	Ci. s.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	A. cu.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci. s.	Ci. s.	A. cu. E. by S.	Ci. s.	Ci. s.
Ci. s.	Ci. s. NE.	Ci. s. NE. by E.	Ci. s.	Ci. s.	Ci. s.

LOWER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Cu. E. by N.	Cu. E.	N. cf. E.	Cu.	Cu. E.	S. cu.
Cu. SE.	Cu. N. ESE.	Cu. N.	Cu. N. ENE.	Cu. N. E.	Cu. N.
N. cf. E. by N.	Cu. N. E. by N.	Cu. N. E. by N.	Cu. N. E.	Cu. N.	S. cu.
Cu. E.	Cu.	Cu.	Cu.	Cu.	Cu.
Cu. N.	Cu. N.	Cu. N. E. by S.	Cu. N.	S. cu.	S. cu.
Cu.	Cu.	Cu.	Fr. cu. NE.	S. cu. NE.	S. cu.
Cu. N. E.	Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu. N.
Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
Cu.	Cu.	Cu.	Cu.	Cu. N.	S. cu.
Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu.
Cu.	Cu. N.	Cu. N.	Cu.	Cu. N.	Cu. N.
Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu. N.
Cu.	Cu.	Cu. N.	Cu. N.	Cu. N.	S. cu.
Cu. N.	Cu. N. NE.	Cu. N.	Cu. N. ENE.	Cu. N.	Cu. N.
Cu.	Cu. E.	Cu. N. ENE.	S. cu. ENE.	Cu.	Cu.
Cu.	Cu.	S. cu. NNE.	Cu. N. N.	Cu. N. N.	Cu. N.
Cu.	Cu.	Cu. NW. by N.	Cu.	Cu.	S. cu.
Cu. N.	Fr. N. W.	Fr. N. W.	Fr. N. W.	N. W.	Cu. N.
S. cu. WSW.	Cu.	N. cf. WSW.	Cu. N.	Fr. N. WSW.	Fr. N.
Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu. WSW.	Cu.
Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu. W. by S.	Cu. W. by S.
Cu.	Cu. SW.	Cu.	Cu. N.	Cu. N.	Cu. N.
Cu.	Cu.	Cu.	Cu.	Cu. N.	Cu.
Cu. N.	Cu. N.	Cu.	Cu.	Cu. N.	Cu.
Cu.	Cu. N.	Cu. N.	Cu. N.	N.	Cu. N.
Cu. N.	Cu. N.	Cu. N.	S. cu.	Cu. N.	S. cu.
Cu.	Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu. N.
Cu.	Cu.	Cu. N.	Cu. N.	Cu. N.	Cu. N.

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.
1	Calm.	NE. 0.5	NE. 1.0	NE. 1.0	NE. 1.0	NNE. 1.5
2	NE. 2.5	NE. 1.5	NE. 1.0	NE. 1.0	ENE. 0.5	Calm.
3	Calm.	Calm.	Calm.	Calm.	E. 0.5	ESE. 1.5
4	Calm.	Calm.	E. 1.5	E. 1.0	E. 0.5	Calm.
5	Calm.	SE. 1.0	SE. 1.5	Calm.	Calm.	NNE. 0.5
6	Calm.	ENE. 1.5	NE. 0.5	NE. 0.5	NE. 0.5	Calm.
7	SE. 1.5	SE. 1.0	SE. 1.0	SE. 2.0	E. 0.5	E. 1.0
8	SE. 0.5	SE. 0.5	SE. 0.5	Calm.	Calm.	Calm.
9	Calm.	SE. 0.5	ESE. 1.0	ESE. 1.0	E. 0.5	Calm.
10	Calm.	Calm.	NNE. 1.0	Calm.	Calm.	Calm.
11	SW. 1.0	SW. 1.0	N. 1.5	N. 1.0	ESE. 1.5	SSE. 1.0
12	Calm.	Calm.	NNE. 1.5	NNE. 1.0	NE. 0.5	Calm.
13	Calm.	Calm.	Calm.	Calm.	Calm.	E. 1.0
14	S. 1.0	SSW. 1.5	Calm.	Calm.	SE. 1.0	Calm.
15	NE. 1.5	Calm.	Calm.	Calm.	E. 0.5	Calm.
16	S. 1.0	ESE. 1.0	ESE. 1.0	ESE. 1.0	Calm.	E. 2.0
17	ESE. 0.5	ESE. 0.5	ESE. 0.5	SSE. 2.0	NNE. 3.0	N. 2.5
18	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
19	NNE. 1.0	NNE. 2.0	NNE. 2.5	N. 1.5	Calm.	Calm.
20	N. 2.0	NW. 4.0	NW. 5.0	NNW. 2.0	N. 2.0	WNW. 4.0
21	WNW. *12.0	W. 10.0	W. 9.0	W. 5.0	W. 8.0	W. 9.0
22	NNW. 1.5	WNW. 3.5	W. 1.5	Calm.	N. 3.0	N. 3.0
23	SSW. 1.0	SSW. 0.5	SSW. 1.0	NE. 0.5	E. 2.5	Calm.
24	SE. 1.0	SE. 1.0	SE. 1.0	Calm.	SE. 0.5	Calm.
25	S. 1.5	Calm.	NNE. 1.5	Calm.	Calm.	Calm.
26	Calm.	NE. 1.0	Calm.	Calm.	Calm.	Calm.
27	SSW. 1.5	Calm.	Calm.	Calm.	S. 0.5	Calm.
28	Calm.	Calm.	Calm.	Calm.	SE. 0.5	Calm.
29	N. 1.0	N. 1.0	N. 1.0	Calm.	Calm.	Calm.
30	Calm.	Calm.	NE. 4.0	Calm.	NNE. 1.0	N. 1.0
31	Calm.	Calm.	Calm.	NE. 1.5	NE. 1.5	NE. 0.5
Mean	1.0	1.1	1.3	*0.7	1.0	0.9

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
1	SE. 7.5	SE. 11.0	E. by S. *16.0	E. 4.5	E. 7.5	E. 7.5
2	ESE. 7.0	E. by S. 7.0	E. *8.0	ESE. 5.5	E. 5.5	E. 3.5
3	ENE. 7.0	E. by N. 7.0	SSE. 8.0	E. 2.0	ENE. 1.0	Calm.
4	ESE. *7.0	E. 2.5	E. 2.5	ESE. 3.5	SE. 3.0	SE. 3.5
5	SE. 3.0	SSE. 4.5	SE. by E. *5.0	NNE. 2.0	ESE. 2.5	ESE. 4.0
6	WSW. 2.0	SSE. 5.0	SE. by S. *10.0	SE. 9.5	SE. 5.5	SE. by E. 5.0
7	ESE. 3.0	ESE. 4.5	ESE. 5.0	SE. 5.0	SE. *6.5	ESE. 6.0
8	SSE. 7.0	SSE. *8.0	SSE. 4.0	SSE. 5.0	SE. 6.0	SE. 3.5
9	W. 4.0	W. 3.0	W. 5.5	WSW. *7.0	WSW. 5.5	WSW. 5.5
10	WNW. 4.5	W. by N. 3.5	WSW. 6.5	WSW. *7.0	WSW. *7.0	SW. by W. 4.0
11	W. by S. *6.0	WSW. 5.0	SW. by W. 5.5	SW. by W. 5.0	SW. 5.5	SW. 3.5
12	WSW. 5.5	WSW. 5.5	SW. *6.5	WSW. 5.5	WSW. 4.0	SSW. 2.5
13	WSW. 0.5	WSW. 3.0	WSW. 4.0	SE. 4.0	SE. *7.0	SSE. 3.5
14	WSW. 3.0	WSW. *6.5	WSW. 4.0	WSW. 1.5	E. 2.5	ENE. 1.5
15	W. by S. 3.5	WSW. 4.5	WSW. 4.0	SW. by W. 5.0	SW. 4.5	SW. *7.0
16	W. 5.5	W. 7.5	WSW. 6.0	WSW. 6.5	SW. 4.0	SW. 6.0
17	WSW. 3.0	W. *3.5	WSW. 1.5	SE. 0.5	SSE. 2.0	ESE. 2.0
18	WSW. 3.0	WSW. 2.0	W. 1.5	WSW. 1.5	SW. 2.5	ESE. 0.5
19	SW. 5.0	SW. by W. 7.0	SW. 6.0	W. 6.0	W. *8.0	N. 5.0
20	WNW. 9.0	W. 10.0	W. by S. 12.0	W. 12.0	WNW. *12.5	W. by N. 10.0
21	W. 3.5	SW. 10.0	SW. by W. 7.0	SSW. 4.0	WSW. 3.5	Calm.
22	WSW. 4.0	WSW. 5.0	SW. 6.0	WSW. *14.0	SW. 5.0	SW. 1.5
23	NW. 5.0	WNW. 7.0	WSW. *11.0	WSW. 8.0	WSW. 6.0	WSW. 7.0
24	WSW. 9.0	WSW. *10.0	WSW. 8.0	WSW. 5.0	WSW. 8.0	WSW. 6.0
25	W. by S. *7.0	W. by S. 6.0	WSW. 5.0	WSW. 6.5	WSW. 6.5	WSW. 6.5
26	W. 5.0	WSW. 4.5	WSW. 6.0	WSW. 6.0	WSW. *6.5	SW. by W. 6.0
27	W. 2.5	SW. 3.5	WSW. 5.0	WSW. 5.0	WSW. *6.0	WSW. 3.5
28	WSW. 3.5	WSW. 2.5	WSW. 2.5	SW. 1.5	N. *6.0	NE. 3.0
29	W. 2.5	W. 1.0	Calm.	ENE. 3.0	Calm.	Calm.
30	W. by N. 5.0	WNW. 2.0	W. 3.0	W. 4.5	SW. 0.5	SW. 3.0
31	W. 2.5	WSW. 2.5	WSW. 5.0	WSW. 4.0	SW. 4.0	SW. 2.0
Mean	4.7	5.3	*5.8	5.2	5.0	4.0

OBSERVATIONS FOR MAY, 1902.

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WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
NE.	1.0	ENE.	4.0	ENE.	5.0	ENE.	9.0	ESE.	4.0	ESE.	8.0
NE.	1.0	Calm.		WNW.	3.5	WSW.	4.5	WSW.	4.0	WSW.	6.0
Calm.		Calm.		Calm.		N.	1.0	ESE.	6.0	E. by N.	*9.5
ENE.	1.0	E.	1.5	Calm.		E.	2.0	SSW.	0.5	SE.	6.5
N.	1.0	NNE.	1.5	W.	3.0	W.	3.0	WSW.	2.0	ESE.	4.5
NE.	1.5	NNE.	0.5	WNW.	4.0	W.	3.0	WNW.	5.0	WNW.	3.0
NE.	2.0	ENE.	0.5	N.	2.0	W.	3.0	WSW.	2.5	WSW.	3.0
E.	3.0	ESE.	1.0	E.	0.5	S.	5.0	ESE.	2.5	S.	5.0
Calm.		Calm.		S. by W.	3.0	WSW.	4.5	WNW.	4.5	W.	4.5
ESE.	1.5	Calm.		S.	2.0	W.	3.5	W.	2.0	W.	5.0
Calm.		Calm.		SE.	2.5	S.	3.0	S.	2.5	SW.	2.0
Calm.		Calm.		WSW.	1.5	WSW.	3.0	WSW.	3.5	W.	2.0
Calm.		NE.	1.5	Calm.		WSW.	2.0	WNW.	4.0	WSW.	3.5
Calm.		SE.	0.5	SSE.	1.5	WSW.	1.0	Calm.		SSW.	4.0
Calm.		Calm.		S.	3.0	SW.	2.0	WSW.	5.0	WSW.	2.0
Calm.		SSE.	0.5	SSW.	1.0	SW.	1.5	WSW.	2.5	WSW.	2.5
NNE.	2.5	N.	2.0	NE.	1.0	W.	3.0	WSW.	2.5	W.	3.0
NE.	1.0	NE.	2.0	NNE.	*3.5	NNE.	1.5	WSW.	3.0	WSW.	3.0
NNE.	1.5	Calm.		W.	2.0	W.	2.5	WSW.	2.0	WSW.	5.5
WNW.	5.5	WNW.	4.0	W.	3.5	W.	4.5	W.	8.0	WSW.	6.5
WSW.	7.0	W. by S.	7.0	W. by S.	5.0	SW. by W.	6.0	WSW.	6.0	WSW.	5.0
W.	2.5	N.	3.0	W.	1.5	W.	2.5	W.	2.0	SSW.	2.5
E.	1.0	Calm.		Calm.		S.	1.0	WSW.	4.5	W. by N.	6.5
SE.	0.5	SSE.	1.0	WSW.	1.0	WSW.	1.5	W.	4.0	W.	4.0
Calm.		Calm.		S.	3.0	S.	4.0	WSW.	2.5	WSW.	4.5
Calm.		Calm.		WSW.	0.5	WSW.	2.0	WSW.	3.0	WSW.	1.5
Calm.		SSE.	0.5	SSW.	0.5	W.	3.5	W.	2.5	W.	3.0
Calm.		Calm.		WSW.	3.5	W.	2.0	WNW.	4.0	W.	3.0
Calm.		Calm.		WSW.	2.0	WSW.	1.5	W.	3.0	W.	1.5
NNE.	2.0	NE.	3.0	W.	2.0	W.	3.5	W.	1.5	W.	1.5
NE.	0.5	ENE.	1.5	SW.	2.5	W.	1.5	W.	3.5	WSW.	2.5
1.2		1.1		2.1		3.0		3.3		4.0	

7 p.		8 p.		9 p.		10 p.		11 p.		12 p.		Mean.
E.	2.5	ESE.	0.5	Calm.		ENE.	0.5	Calm.		Calm.		3.9
ESE.	4.0	ESE.	1.0	SE.	5.0	ESE.	3.0	ENE.	1.5	Calm.		3.2
Calm.		Calm.		Calm.		E.	2.0	Calm.		E.	1.0	1.9
ESE.	3.0	ESE.	2.0	SE.	2.5	SE.	2.5	SE.	4.0	SE.	2.0	2.2
SE.	3.0	ESE.	0.5	Calm.		N.	0.5	Calm.		Calm.		1.8
ESE.	2.5	SE.	4.0	SE. by E.	3.5	SE.	2.0	SE.	3.0	SE.	1.5	3.1
SE.	5.0	SE.	4.5	ESE.	1.5	SE.	2.0	SE.	1.0	Calm.		2.7
SE.	4.5	SE.	3.5	SE.	2.0	SE.	1.5	SE.	0.5	SE.	0.5	2.7
S.	6.0	S.	2.0	S.	5.0	SSW.	2.5	SSE.	1.5	S.	1.0	2.8
SW. by W.	5.5	SW.	4.0	SW. by W.	4.5	SSW.	3.5	SW.	1.5	SW.	1.0	2.8
SW.	4.0	WSW.	3.5	W. by N.	3.0	NW.	2.0	N.	1.5	ESE.	0.5	2.6
SSW.	3.0	SSW.	3.5	E.	3.5	ENE.	2.5	Calm.		Calm.		2.3
S.	3.0	SSE.	0.5	S.	1.5	S.	1.0	SSE.	1.5	S.	2.0	1.8
ENE.	1.0	E.	0.5	ESE.	1.0	SSE.	0.5	ENE.	1.0	NE.	1.0	1.4
SW.	3.0	SSW.	3.0	S. by W.	3.0	SSW.	2.5	SSW.	2.0	Calm.		2.3
WSW.	5.5	SW. by W.	4.5	NNE.	*8.5	ESE.	2.5	ESE.	1.5	ESE.	1.0	3.0
NE.	0.5	Calm.		Calm.		Calm.		N.	1.5	N.	0.5	1.6
E.	1.0	ESE.	2.5	SE.	1.5	ESE.	1.0	ESE.	1.0	N.	1.5	1.4
ESE.	1.0	E.	2.0	W.	6.0	NE.	1.0	NE.	0.5	N.	2.0	2.9
W. by N.	11.5	W. by N.	10.0	W. by N.	10.0	WNW.	9.0	WNW.	7.0	W. by N.	7.0	*7.1
Calm.		Calm.		Calm.		NNW.	1.5	Calm.		Calm.		4.9
S.	3.5	SW.	2.0	W.	3.0	SSW.	2.0	Calm.		SSW.	1.0	3.1
SW. by W.	5.0	SSW.	2.5	SSW.	2.0	SW.	1.0	SW.	1.0	Calm.		3.1
SW.	3.5	WSW.	4.5	WSW.	5.0	SW.	3.5	SW.	3.0	Calm.		3.4
SW.	3.5	WSW.	3.5	W. by S.	4.0	N.	1.0	NNE.	1.0	Calm.		2.8
SW. by W.	4.0	SW. by W.	3.5	S. by W.	2.0	SSW.	2.0	SSW.	2.0	SSW.	2.0	2.4
W.	3.0	SW. by W.	2.0	W.	2.5	ENE.	1.0	Calm.		Calm.		1.9
SE.	1.5	NE.	1.0	Calm.		N.	2.5	N.	1.5	N.	1.0	1.6
Calm.		NE.	*3.5	NW.	2.5	Calm.		Calm.		Calm.		*1.0
SW.	2.5	SSW.	1.5	N.	*9.5	Calm.		Calm.		NE.	1.5	2.1
N.	*8.5	N.	2.0	N.	2.5	NNW.	2.5	N. by E.	2.5	NW.	1.0	2.3
3.4		2.5		3.1		1.9		1.3		0.9		2.6

WIND—FORCE IN KILOMETERS PER HOUR.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	0.0	2.0	4.0	4.0	4.0	4.5	3.0	6.0	10.0	15.5	16.5	24.0
2-----	2.0	2.5	2.5	4.0	4.0	5.5	4.0	3.0	3.5	13.5	15.0	16.0
3-----	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	4.0	8.5	12.5	25.0
4-----	3.0	0.0	2.5	1.0	3.0	4.5	4.0	4.0	6.0	12.0	12.5	14.0
5-----	3.0	1.0	5.0	3.0	4.5	3.5	3.0	4.5	7.0	12.0	9.5	19.0
6-----	0.5	1.5	3.5	3.5	5.0	2.0	2.0	5.0	10.0	15.0	17.5	15.5
7-----	6.5	5.0	5.5	8.0	5.0	3.0	3.5	5.5	4.5	8.5	14.0	13.5
8-----	4.5	4.5	4.0	5.5	3.5	5.5	3.5	15.0	13.5	11.0	10.5	17.0
9-----	2.0	3.0	5.5	6.0	5.5	3.0	3.0	1.0	4.0	11.0	14.5	13.0
10-----	4.0	2.0	5.5	3.0	1.5	4.0	3.0	5.0	6.5	9.0	13.5	16.5
11-----	4.0	3.0	5.5	4.5	5.0	5.0	3.5	0.5	3.0	12.5	10.5	11.0
12-----	2.0	1.5	4.0	4.0	4.5	3.5	1.5	2.0	6.5	11.5	15.5	14.0
13-----	3.5	3.0	4.0	0.5	1.0	2.5	2.0	3.0	1.5	4.0	9.5	11.5
14-----	8.0	7.5	3.0	2.0	1.0	1.5	1.0	1.0	2.0	3.5	3.0	7.5
15-----	4.0	2.0	0.0	0.0	3.0	0.0	0.0	3.0	5.0	5.5	13.5	14.5
16-----	3.5	6.0	5.0	4.5	2.5	3.5	3.5	3.5	6.0	10.0	10.0	12.0
17-----	3.5	3.0	4.0	3.0	6.5	12.0	12.5	10.0	10.5	9.0	13.5	13.5
18-----	4.0	1.0	2.0	3.5	2.0	3.5	2.5	7.0	9.0	6.0	11.5	13.0
19-----	6.5	5.5	8.0	6.0	4.5	4.5	7.0	6.0	9.5	13.0	12.0	16.5
20-----	6.0	9.0	18.0	15.0	8.5	8.0	28.0	22.5	19.5	18.5	25.5	27.0
21-----	34.0	31.5	33.5	27.5	28.5	34.0	27.0	22.0	26.5	21.0	16.0	31.5
22-----	4.0	14.5	7.0	6.5	1.0	1.0	3.5	8.5	10.5	6.5	7.0	5.0
23-----	3.5	5.5	2.0	2.5	3.5	6.0	3.0	3.5	2.5	4.0	8.5	28.0
24-----	4.5	3.0	3.5	3.0	4.0	2.5	1.5	2.0	4.5	9.5	13.5	23.0
25-----	2.0	3.5	3.0	3.0	4.0	4.0	4.5	4.5	5.0	6.5	9.5	17.5
26-----	1.0	1.5	3.0	0.5	2.5	1.5	1.0	5.0	8.0	5.5	9.5	10.0
27-----	6.0	3.0	3.5	2.0	2.0	2.0	1.0	1.5	4.5	8.0	11.0	13.0
28-----	2.0	1.5	1.5	0.5	2.0	2.0	2.0	0.0	4.5	8.5	13.5	*14.0
29-----	4.5	4.0	4.0	2.5	2.5	4.0	1.0	2.0	4.0	9.5	11.5	11.5
30-----	3.0	2.5	5.5	5.5	2.0	8.0	6.0	9.0	6.0	9.5	11.5	12.0
31-----	2.0	0.5	1.5	3.5	4.0	4.0	3.5	1.0	7.0	13.0	12.0	12.5
Mean	4.6	4.3	5.1	4.5	*4.2	4.8	4.7	5.4	7.2	10.0	12.4	15.9

AMOUNT OF CLOUDS (0-10).

Day.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	Mean.
1-----	2	1	1	2	8	7	7	6	5	6	7	4	3	3	1	1	1	3.8
2-----	7	8	6	7	6	8	8	7	7	6	7	7	7	6	10	8	10	7.4
3-----	7	10	9	7	7	8	5	9	9	9	10	10	10	10	5	4	4	7.8
4-----	7	8	5	4	4	5	6	5	6	5	6	7	7	6	7	8	8	6.1
5-----	4	6	7	3	3	8	5	8	5	4	7	7	8	7	6	6	6	5.9
6-----	1	2	2	2	2	2	3	3	4	3	3	5	5	7	2	1	2	2.9
7-----	1	3	3	3	3	3	4	4	2	2	2	2	4	4	3	2	0	*2.6
8-----	3	9	7	6	4	3	4	3	5	4	4	3	3	3	1	2	2	3.9
9-----	2	5	5	5	4	4	4	4	3	3	3	3	4	4	2	1	0	3.3
10-----	7	7	4	2	4	5	3	2	4	3	3	3	5	7	9	10	10	5.2
11-----	10	10	10	10	10	7	7	7	6	6	6	6	5	5	3	3	2	6.6
12-----	6	6	4	3	3	3	3	3	4	6	6	7	8	8	9	9	9	5.7
13-----	10	10	10	10	10	10	9	10	8	7	6	5	7	9	5	7	5	8.1
14-----	6	7	4	6	5	6	7	6	7	7	10	10	10	10	10	8	6	7.4
15-----	2	2	2	2	1	1	2	3	3	3	3	6	9	7	7	6	5	3.7
16-----	7	3	2	3	3	3	3	3	4	3	4	4	6	9	9	10	10	5.1
17-----	5	3	4	4	3	3	4	3	3	4	8	9	9	6	3	3	4	4.6
18-----	3	5	5	6	6	7	9	7	8	8	9	8	6	7	8	8	6	6.8
19-----	4	8	8	4	5	6	5	4	5	6	8	9	9	10	10	10	10	7.1
20-----	10	9	9	9	10	10	9	9	10	9	9	10	10	10	10	10	10	9.6
21-----	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	*9.9
22-----	10	10	10	10	10	7	7	6	8	10	9	9	10	10	6	6	4	8.4
23-----	8	10	9	7	7	6	6	6	7	7	7	6	6	6	2	4	5	6.4
24-----	3	6	7	7	8	8	8	10	8	8	9	8	8	8	7	4	8	7.4
25-----	10	10	9	9	8	7	7	7	9	9	8	8	7	7	2	3	3	7.2
26-----	2	4	2	2	3	2	2	2	4	3	4	4	5	6	5	5	6	3.6
27-----	6	8	7	6	5	5	4	4	5	6	5	8	8	7	5	4	7	5.9
28-----	6	3	4	3	5	4	4	4	4	7	9	9	10	10	9	7	8	6.2
29-----	3	3	2	3	4	5	5	4	6	7	8	8	6	8	5	4	4	5.0
30-----	5	8	6	6	8	7	7	6	3	5	7	5	5	7	4	6	8	6.1
31-----	9	10	8	8	6	6	6	7	6	7	7	9	7	8	10	10	10	7.9
Mean	5.7	6.6	5.8	*5.5	5.6	5.7	5.6	*5.5	5.7	5.9	6.6	6.7	7.0	*7.3	6.0	5.8	5.9	6.1

OBSERVATIONS FOR MAY, 1902.

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WIND—FORCE IN KILOMETERS PER HOUR.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
23.5	26.0	*31.0	25.0	21.5	18.5	16.0	12.5	6.5	2.0	1.5	1.0	11.6
21.5	*34.5	30.0	25.5	23.0	22.0	22.0	20.5	9.5	22.5	11.0	5.5	13.5
*29.0	27.5	27.5	16.5	8.0	4.5	1.5	1.0	0.5	3.5	3.0	1.5	7.5
27.0	*30.5	29.0	22.0	21.0	21.0	16.0	10.0	12.0	10.5	10.5	11.5	12.0
19.0	22.0	*23.0	10.0	8.0	16.0	15.5	7.5	5.5	5.5	1.0	0.0	8.7
15.0	18.0	29.0	*30.0	26.5	23.5	16.5	10.5	12.0	10.5	15.5	6.0	12.2
17.0	22.0	20.0	22.0	*24.0	22.0	21.5	18.5	18.0	15.0	10.5	7.0	12.5
16.5	18.0	18.0	17.5	18.0	*19.0	15.0	13.5	9.5	9.5	6.0	5.5	11.0
16.5	16.0	13.0	21.5	*26.0	23.5	13.0	12.0	13.5	12.5	6.5	7.5	10.5
17.0	18.0	20.0	24.0	*25.5	22.5	22.0	18.5	17.5	13.0	8.5	5.5	11.9
15.5	20.0	21.0	*26.0	21.5	20.5	23.0	17.0	11.5	12.0	1.5	3.0	10.9
13.0	22.0	*28.0	24.5	18.0	16.0	14.5	14.0	8.0	8.5	4.5	1.5	10.1
11.0	10.0	11.0	10.5	*14.5	13.5	11.0	7.5	2.5	5.5	7.5	6.5	6.5
12.5	*21.0	17.0	7.0	10.0	7.5	5.0	3.0	3.0	4.0	2.0	2.5	*5.6
17.5	19.0	25.5	*28.5	26.5	25.0	23.5	13.5	11.5	9.0	4.0	1.0	10.6
15.0	18.0	*26.0	25.5	24.0	18.5	20.0	13.0	20.0	7.0	6.5	5.0	11.2
12.0	*16.0	15.5	*16.0	11.0	11.5	5.0	3.5	3.5	3.0	3.5	5.5	8.6
*14.0	11.5	8.5	7.5	9.0	4.0	10.5	9.0	6.0	3.0	3.0	4.5	6.5
20.5	22.5	30.5	30.5	*32.5	*32.5	13.0	5.5	14.0	14.0	3.0	5.0	13.4
32.0	38.0	41.5	39.5	44.5	*45.5	44.5	42.0	39.0	36.0	35.5	32.5	*28.2
27.5	24.5	*44.0	27.0	18.0	9.0	3.5	4.0	3.0	9.5	2.0	1.5	21.1
17.0	21.5	25.0	29.0	*35.0	18.0	9.0	8.5	14.5	9.0	7.0	4.0	11.4
22.0	19.0	26.0	*31.5	28.0	23.5	22.0	17.5	7.0	6.0	4.5	2.0	11.7
*32.0	30.5	29.5	29.0	29.0	26.0	22.5	14.5	19.0	19.0	7.5	3.5	14.0
25.0	*31.0	27.0	26.5	25.0	23.0	19.0	22.0	7.0	10.0	4.5	5.0	12.2
13.5	*27.5	21.5	23.5	21.5	24.5	20.5	17.0	9.0	7.5	7.0	7.5	10.4
17.0	16.0	16.0	20.0	22.0	*22.5	13.5	9.5	7.0	7.5	2.5	2.0	8.9
13.5	*14.0	13.0	13.0	10.5	10.0	7.5	4.0	4.5	7.5	8.0	4.5	6.8
14.0	6.5	4.0	3.5	6.5	0.5	0.5	8.0	*21.0	16.0	6.0	6.0	6.4
14.5	17.5	*19.0	*19.0	10.5	13.0	10.5	8.0	12.0	10.0	4.0	3.5	9.2
13.0	14.0	17.0	16.5	*18.0	12.5	10.0	16.0	10.5	8.0	6.5	7.0	8.9
18.5	21.0	*22.8	21.5	20.5	18.4	15.1	12.3	10.9	10.2	6.6	5.3	11.1

FREQUENCY OF THE WIND.

Day.	N. NNW.	NW. WNW.	W. WSW.	SW. SSW.	S. SSE.	SE. ESE.	E. ENE.	NE. NNE.	Calm.
1		1	3			6	8	6	4
2						7	5	5	3
3	1				1	2	7	1	12
4				1		11	8		4
5	2		3		1	9		3	6
6		3	2		2	9	1	5	2
7	1		3			15	3	1	1
8					6	13	2		3
9		1	8	2	5	3	1		4
10		2	9	4	1	1		1	6
11	3	2	5	6	3	3			2
12			8	4			2	3	7
13		1	5		7	2	1	1	7
14			5	2	3	3	5	1	5
15			6	8	1		1	1	7
16			8	4	2	6	1	1	2
17	4		6		2	5		4	3
18	1		6	1		5	1	4	6
19	3		8	2		1	1	6	3
20	3	14	7						
21	1	1	14	2					6
22	4	1	9	7	1				2
23		3	6	7	1		2	1	4
24			12	3		5			3
25	1		10	1	3			2	7
26			13	3				1	7
27			11	3	2		1		7
28	4	1	6	1		2		2	8
29	3	1	6				1	1	12
30	2	2	6	4				5	5
31	4	1	7	3			1	5	3
Mean	1.2	*1.1	*6.2	2.2	1.4	3.5	1.7	1.9	4.9

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.
1	60.45	0.05 a.	35.3	1.10 p.	89.0	*19.9	57.55	4.20 p.	*22.0	5.50 a.	45.0	16.9
2	61.45	10.15 p.	33.5	3.05 p.	90.0	21.8	57.95	3.35 p.	22.4	5.55 a.	50.0	18.4
3	60.93	8.00 a.	32.4	0.10 p.	*96.0	23.1	*58.75	1.55 p.	23.6	6.05 a.	58.0	19.8
4	60.80	8.45 a.	34.3	1.55 p.	95.0	22.4	57.26	3.00 p.	22.8	5.50 a.	49.0	18.3
5	60.22	9.00 a.	34.9	2.10 p.	86.0	22.5	56.75	4.05 p.	23.7	6.00 a.	54.0	20.1
6	60.25	8.45 a.	34.9	2.20 p.	88.0	21.9	57.00	4.35 p.	22.7	6.10 a.	45.0	17.7
7	60.35	8.20 a.	36.0	2.30 p.	84.0	21.3	56.55	4.10 p.	22.1	4.00 a.	44.0	17.6
8	59.80	8.45 a.	*36.1	3.10 p.	*83.0	22.3	56.55	4.25 p.	23.2	6.20 a.	*32.0	*13.1
9	59.80	8.20 a.	34.4	2.50 p.	85.0	23.4	56.20	3.50 p.	22.6	6.00 a.	51.0	18.9
10	59.52	8.00 a.	33.2	1.00 p.	*83.0	24.9	56.20	3.30 p.	24.4	5.45 a.	60.0	20.6
11	60.28	9.00 a.	32.7	12 m. d.	92.0	25.6	57.05	3.20 p.	24.8	5.30 a.	66.0	*22.2
12	60.35	10.35 p.	32.6	0.45 p.	88.0	26.2	57.50	4.35 p.	24.1	5.10 a.	62.0	21.5
13	60.90	8.55 a.	35.1	4.05 p.	89.0	24.0	57.75	4.25 p.	24.7	6.10 a.	49.5	19.4
14	61.00	9.10 a.	32.9	0.50 p.	93.0	24.3	58.60	2.25 p.	23.8	6.00 a.	64.0	21.3
15	60.40	10.30 p.	32.7	1.00 p.	94.0	25.0	57.55	3.35 p.	22.8	5.50 a.	63.0	20.9
16	*61.75	8.40 p.	32.9	2.00 p.	93.0	25.2	57.85	3.45 p.	23.3	11.15 p.	61.0	20.5
17	*61.75	11.25 p.	34.1	2.45 p.	91.5	23.5	58.00	3.35 p.	23.1	5.55 a.	58.0	20.0
18	61.20	0.05 a.	34.3	2.00 p.	88.0	24.0	57.15	3.50 p.	23.2	5.00 a.	54.0	19.8
19	58.70	0.05 a.	33.1	2.00 p.	95.0	*27.2	53.61	4.00 p.	24.0	5.45 a.	65.0	20.0
20	*55.85	9.35 a.	32.3	2.00 p.	90.0	23.8	*53.05	3.30 p.	*25.0	4.55 a.	57.5	18.8
21	56.95	9.55 p.	30.8	10.55 a.	93.0	25.0	54.05	3.35 a.	24.0	10.50 p.	70.0	21.3
22	58.30	10.25 p.	*30.4	12 m. d.	*96.0	24.2	55.75	2.50 a.	23.8	4.55 a.	*73.0	21.6
23	59.15	9.25 a.	31.5	11.00 a.	95.0	24.9	56.90	3.30 p.	23.2	5.50 a.	64.0	21.0
24	59.80	8.50 p.	31.5	10.55 a.	92.0	24.5	57.55	3.50 p.	24.2	5.50 a.	69.0	22.1
25	59.55	0.05 a.	31.5	3.00 p.	95.0	24.4	57.15	3.40 p.	23.3	5.40 a.	69.0	21.8
26	59.67	9.00 a.	32.1	2.00 p.	93.0	24.9	56.64	4.00 p.	23.2	5.30 a.	69.0	21.9
27	60.25	10.15 p.	32.3	3.00 p.	94.0	25.4	57.35	3.15 p.	24.7	5.50 a.	67.0	20.4
28	60.25	10.40 p.	34.3	3.00 p.	93.0	24.7	57.00	3.35 p.	23.9	5.30 a.	57.0	21.0
29	60.00	10.00 p.	32.2	12 m. d.	94.0	24.3	57.10	3.35 p.	23.2	6.10 a.	67.0	21.0
30	59.40	0.05 a.	32.9	4.00 p.	92.0	25.1	56.30	4.15 p.	23.1	3.40 a.	64.0	19.0
31	58.25	0.05 a.	32.6	2.00 p.	93.0	25.3	54.50	2.55 p.	24.1	11.40 p.	62.0	20.9
Mean	59.91		33.2		91.0	24.0	56.75		23.5		58.7	19.9

GENERAL REMARKS.

Day.	Remarks.	Day.	Remarks.
1	Gusty wind from eastward.	17	Thunderstorm to the NNE. in the afternoon.
2	Rain in the locality at night.	18	Rain in the locality at 3 ^h 32 ^m p. m.
3	Drizzle in the early morning.	19	Filament of cirrus from NW. to SE. in the morning; thunderstorm in the locality in the afternoon.
5	Rain in the first quadrant with thunder to the NE. and NW. in the afternoon.	21	Gusty wind from the third quadrant; passing rain.
6	Gusty wind from the second quadrant in the afternoon.	22	Thunderstorm to the fourth quadrant and rain in the locality in the early morning; gusty wind from the third quadrant.
7	Filament of cirrus to the NE. in the afternoon.	24	Thunderstorm in the second quadrant at noon.
8	Cirro-stratus from W. by S. to the E. by N. in the morning.	25	Thunder to the N. in the afternoon.
9	Feathers of cirrus from S. to N.	26	Thunderstorms to the North at night.
11	Thunderstorms in different points in the morning.	27	Thunder to the NNW. in the afternoon.
12	Cirrus to the NE. in the morning; thunderstorm in different points in the afternoon.	28	Thunderstorm to the first quadrant.
13	Thunderstorm in the first quadrant.	29	Thunderstorm in different points and in the locality from the first quadrant in the afternoon.
14	Thunderstorm to the SSW. and ESE. in the morning and in the first quadrant in the afternoon with drizzle and rain in the locality.	30	Thunderstorm to the NNE. in the afternoon and in the fourth quadrant at night with light rain in the locality.
15	Thunder and lightning in the first and second quadrants in the afternoon.	31	Sun's halo in the morning; thunderstorm in the locality from the first quadrant in the afternoon and at night.
16	Thunderstorm in the first quadrant in the afternoon; clouds colored at sunset.		

GENERAL APPEARANCE OF THE SKY.

	Clear.	Cloudy.	Variable.
Early morning	7	10	14
Morning	4	8	19
Afternoon	1	12	18
Evening	7	12	12

OBSERVATIONS FOR MAY, 1902.

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Day.	Total wind velocity (kil. p. h.).	Admidometer.	Rainfall.	Ozone.		Sunshine.	Bay.	Underground temperature. 8 a. m.			Meteors.
				6 a.	6 p.			25 cm.	50 cm.	1 m.	
1	278.5	mm. 11.0	mm. 6.4	2.0	2.5	10-15	S	30.2	*30.8	*29.8	
2	323.0	10.9	6.4	2.0	2.5	9-00	T	30.5	30.9	30.0	
3	180.0	4.8	2.5	1.0	3.5	6-40	S	30.5	30.9	30.0	
4	287.5	8.2		1.5	2.5	9-50	S	30.3	30.9	30.0	
5	208.0	8.5		2.5	3.0	6-10	S	30.4	*30.8	29.9	
6	294.0	9.4		3.0	3.5	10-25	L	30.4	31.0	30.0	
7	300.0	12.4		4.0	2.5	*11-10	S	30.4	31.0	30.0	
8	264.0	12.3		3.5	4.0	10-50	S	30.8	31.0	30.0	
9	253.0	9.6		5.0	4.0	10-40	S	31.0	31.2	30.1	
10	285.5	8.5		3.5	4.0	10-00	S	31.3	31.2	30.1	
11	260.5	6.7	1.9	5.0	4.0	7-25	S	31.0	31.0	30.0	
12	243.0	7.7		5.0	3.0	10-20	S	31.7	31.8	30.3	
13	157.0	6.4		3.0	4.0	5-00	S	31.4	31.5	30.2	
14	*135.5	4.7	1.0	5.0	4.0	6-30	S	31.3	31.8	30.3	
15	255.0	5.7		3.5	3.0	10-20	S	30.9	31.7	30.2	
16	268.5	7.2	3.2	4.0	4.5	10-45	S	31.6	31.8	30.6	
17	207.0	8.1		3.5	4.0	7-10	S	31.1	31.6	30.4	
18	155.5	7.3	0.4	0.5	4.0	8-45	S	31.1	31.8	30.7	
19	322.5	8.3	*12.7	1.5	4.0	7-55	L	31.4	31.8	30.6	
20	*676.0	*16.2		3.5	3.0	5-50	R	31.0	31.6	30.7	
21	506.5	12.3	4.8	3.5	4.5	*0-25	L	30.5	31.3	30.6	
22	272.5	*3.9	3.5	2.0	4.0	3-55	T	*29.7	30.9	30.5	
23	281.5	6.6	3.9	5.0	4.5	9-30	T	30.3	31.1	30.7	
24	336.5	6.3		3.5	4.0	6-10	S	31.0	31.5	30.7	
25	292.0	6.4		4.5	5.0	8-00	T	30.4	31.2	30.5	
26	249.5	6.2		4.0	3.5	10-45	T	31.0	31.4	30.5	
27	213.0	6.6		3.0	3.0	7-35	L	31.8	31.7	30.7	
28	162.0	6.7	0.1	2.0	4.0	7-50	S	31.9	32.0	30.9	
29	153.5	4.8		3.0	3.0	6-05	S	*32.0	*32.1	*31.0	
30	222.0	5.9	0.1	2.0	2.5	9-30	S	31.0	31.9	30.9	
31	213.5	6.4	10.9	3.5	4.5	7-55	L	31.8	32.0	*31.0	
Total	8,256.5	246.0	51.4			252-40					
Mean	266.3	7.9	1.7	3.2	3.6	8-09		31.0	31.4	30.4	

ATMOSPHERIC PRESSURE, 700mm +.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	*56.45	55.75	55.35	55.35	55.05	55.33	55.69	56.18	56.26	56.07	55.30	55.03
2-----	54.35	53.75	*53.55	53.60	53.76	54.27	54.83	55.71	55.69	55.92	56.15	56.31
3-----	57.60	57.30	57.10	56.25	56.49	56.89	56.84	57.20	57.28	57.10	56.96	56.92
4-----	56.95	56.55	56.40	56.60	56.80	57.12	57.51	*57.55	57.53	57.53	57.53	57.29
5-----	56.40	56.15	55.85	55.70	55.70	56.03	56.48	56.66	56.77	56.73	56.34	56.30
6-----	56.40	56.15	56.00	55.85	55.63	56.04	56.64	56.89	57.18	57.17	56.94	56.62
7-----	57.55	57.15	56.85	57.00	57.22	57.48	57.55	57.62	57.34	57.41	57.27	57.28
8-----	58.60	58.15	58.00	57.85	57.92	58.33	58.57	58.77	*58.86	58.68	58.43	58.32
9-----	58.20	57.90	57.70	57.65	57.53	57.79	58.12	58.22	58.19	58.16	57.94	57.71
10-----	57.90	57.45	57.25	57.10	57.39	57.70	58.19	58.54	58.47	58.27	57.96	57.55
11-----	58.05	57.75	57.60	57.50	57.54	57.86	58.01	58.32	58.41	58.33	58.13	57.76
12-----	59.05	58.55	58.35	58.45	58.54	58.96	59.48	59.53	59.64	59.66	59.17	58.88
13-----	58.65	58.40	58.30	58.30	58.54	58.78	59.09	*59.14	59.13	58.97	58.65	58.46
14-----	58.05	57.95	57.80	57.85	57.84	57.86	58.30	58.34	58.46	58.36	58.09	57.85
15-----	58.15	57.95	57.85	57.75	58.01	58.13	58.46	58.57	*58.73	58.58	58.26	57.97
16-----	57.80	57.80	57.60	57.75	57.72	58.55	58.82	58.84	*59.06	59.01	58.74	58.37
17-----	58.75	58.20	58.10	57.90	57.84	58.49	58.72	58.68	58.24	58.24	58.20	58.12
18-----	58.40	58.15	57.90	57.80	58.27	58.60	58.85	*59.02	59.01	58.89	58.59	58.45
19-----	58.35	57.85	57.70	57.75	57.80	58.22	58.10	58.14	58.33	58.45	58.11	58.02
20-----	58.40	57.95	57.70	57.35	57.46	57.83	58.10	57.96	57.99	58.03	57.91	57.78
21-----	58.40	58.15	58.15	58.30	58.09	58.49	58.74	58.99	59.27	59.34	58.93	58.57
22-----	58.90	58.75	58.50	58.45	58.53	58.90	*59.65	59.40	59.44	59.38	59.09	58.78
23-----	*58.45	57.95	57.55	57.55	57.56	57.86	58.04	58.26	58.08	58.15	57.95	57.60
24-----	57.35	57.35	57.30	57.50	57.73	58.03	58.35	58.34	58.26	58.31	58.10	57.85
25-----	58.60	58.30	58.15	58.30	58.58	59.02	59.27	59.18	59.21	59.38	59.01	58.76
26-----	58.95	58.80	58.60	58.45	58.54	58.63	58.98	59.11	59.01	59.02	58.87	58.60
27-----	*58.60	58.30	57.90	57.60	57.84	57.98	58.03	58.02	57.96	57.83	57.49	56.92
28-----	57.20	56.75	56.40	56.35	56.33	56.84	57.06	*57.27	57.07	56.87	56.51	56.17
29-----	56.60	56.35	56.40	56.25	56.33	56.53	56.90	56.97	56.98	57.18	56.94	56.43
30-----	56.75	56.45	*56.20	56.35	56.69	57.27	57.47	57.81	58.17	58.43	58.46	58.36
Mean	57.80	57.47	57.27	57.22	57.31	57.67	57.96	58.11	*58.13	58.12	57.87	57.63

TEMPERATURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	25.8	25.5	25.6	25.4	25.6	25.4	26.1	27.2	27.7	28.3	29.0	29.6
2-----	28.1	*28.5	27.4	27.2	26.6	26.2	26.0	26.2	25.9	26.1	25.6	25.6
3-----	24.7	25.6	25.4	24.5	*24.0	24.1	25.1	26.7	28.4	28.9	29.9	29.5
4-----	25.3	25.0	24.9	*24.6	24.7	24.8	26.9	28.4	28.9	28.8	27.5	27.8
5-----	25.6	25.5	25.1	*24.8	*24.8	25.0	26.3	27.4	28.3	29.1	*29.8	27.9
6-----	26.2	26.2	26.3	26.3	*24.9	25.2	27.2	28.5	29.5	30.9	30.3	30.6
7-----	26.3	25.3	24.9	*24.4	24.6	26.1	27.2	28.6	30.9	31.5	31.8	31.8
8-----	26.5	25.8	25.3	*24.8	24.9	25.6	27.9	30.4	31.1	31.6	*31.9	31.6
9-----	26.3	25.8	25.6	25.2	*24.5	24.8	27.3	29.6	30.9	31.2	31.4	32.2
10-----	26.3	25.9	25.5	25.3	25.2	*25.1	26.0	28.8	30.5	30.5	31.1	31.7
11-----	25.4	25.2	25.1	24.9	24.6	*24.5	26.7	29.3	31.2	32.3	32.7	33.1
12-----	25.6	25.3	25.2	25.1	*24.9	*24.9	26.9	29.0	29.5	30.2	30.5	31.2
13-----	26.6	26.6	26.4	25.9	*25.1	25.5	26.8	29.4	30.4	30.4	31.8	29.4
14-----	26.2	25.8	25.6	25.4	*25.1	25.3	27.0	30.0	29.9	30.7	31.7	32.3
15-----	26.1	25.7	*25.6	*25.6	25.7	26.2	27.4	30.5	30.4	30.4	31.5	32.0
16-----	26.0	25.9	25.7	25.3	*25.0	25.3	27.3	28.3	29.6	29.7	30.9	32.0
17-----	25.6	25.6	25.3	24.8	24.7	25.1	26.0	27.3	28.3	29.1	29.5	*29.6
18-----	24.7	24.5	*23.8	24.6	25.4	24.7	24.3	25.0	25.8	26.8	28.4	29.4
19-----	24.4	24.3	24.3	24.1	*23.9	24.0	26.0	27.7	28.8	29.4	29.4	29.9
20-----	25.9	25.7	*25.5	*25.5	*25.5	*25.5	27.6	28.4	29.4	30.4	30.2	*30.8
21-----	24.7	25.3	24.7	24.0	*23.9	25.0	27.7	29.9	30.3	31.1	30.8	31.0
22-----	27.8	26.9	26.2	27.1	26.3	*26.1	*26.1	26.6	27.3	28.9	29.4	30.2
23-----	26.5	26.2	25.6	25.5	*25.2	25.6	28.1	29.6	30.4	30.8	30.8	*30.9
24-----	25.7	25.5	25.4	*25.3	*25.3	25.6	26.0	28.0	30.1	30.7	30.7	30.8
25-----	28.4	27.3	26.1	25.6	*25.2	25.6	26.8	29.3	29.4	28.8	31.1	31.0
26-----	26.5	26.2	26.1	*25.9	*25.9	26.1	28.3	29.4	30.8	31.3	31.2	31.4
27-----	26.7	26.3	25.9	25.6	25.4	*25.2	27.2	29.7	29.5	30.1	30.8	31.7
28-----	25.7	25.7	26.2	26.0	*25.6	25.7	26.7	28.3	29.5	31.1	31.5	31.6
29-----	27.6	26.8	26.2	25.8	25.2	*25.2	26.2	28.8	29.5	30.5	30.6	31.5
30-----	28.9	28.9	28.9	28.8	28.7	*27.1	28.8	29.6	30.0	30.8	29.6	30.1
Mean	26.2	26.0	25.7	25.4	*25.2	25.4	26.8	28.5	29.4	30.0	30.4	30.6

OBSERVATIONS FOR JUNE, 1902.

65

ATMOSPHERIC PRESSURE, 700mm +.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
54.64	53.53	*52.38	53.61	54.35	54.64	55.17	55.63	55.54	55.75	55.75	54.80	*55.15
56.41	55.96	55.84	55.89	56.15	56.55	57.16	57.36	57.31	57.55	*58.25	57.85	55.84
56.47	56.07	55.59	*55.58	55.62	56.23	56.69	57.44	57.99	*58.20	57.85	57.35	56.88
56.69	56.16	55.57	55.27	*55.17	55.87	56.48	56.62	57.09	57.30	57.15	56.75	56.73
55.76	55.09	54.55	*54.34	54.71	55.15	55.97	56.39	56.78	*57.05	56.90	56.70	56.02
56.03	55.55	55.10	*55.05	55.67	56.37	56.86	57.08	57.61	*58.10	*58.10	57.90	56.54
56.90	*56.56	56.68	56.68	56.88	57.31	57.94	58.21	58.77	59.05	*59.55	59.10	57.56
57.96	57.42	57.05	*56.73	57.02	57.58	58.04	58.28	58.77	58.85	58.80	58.50	58.14
57.43	57.29	56.75	*56.49	56.80	56.91	57.22	57.91	58.14	*58.30	58.25	58.15	57.70
56.98	56.72	56.50	*56.45	56.93	56.95	57.76	58.53	58.78	*59.05	58.90	58.50	57.74
57.30	*56.61	56.70	57.29	57.32	57.87	58.66	59.33	59.66	60.05	*60.35	59.90	58.18
58.30	57.59	57.46	*57.28	57.54	58.02	58.54	59.07	59.46	59.80	*59.95	59.40	*58.78
57.58	57.10	56.93	*56.86	57.00	57.57	57.99	58.17	58.45	58.70	58.85	58.35	58.25
57.10	56.52	*56.24	56.29	56.51	56.95	57.60	58.08	58.43	*58.80	58.60	58.50	57.77
57.31	56.92	56.34	*55.99	56.55	56.98	57.42	57.71	58.21	58.35	58.60	58.05	57.78
57.87	*57.41	57.55	57.58	57.89	57.81	58.36	58.69	59.04	58.90	58.80	58.70	58.28
57.43	56.98	56.38	56.48	*56.24	56.94	57.29	57.65	58.70	58.90	*59.20	58.95	57.94
57.99	57.46	*57.09	57.14	57.44	57.64	58.00	58.39	58.67	59.00	58.90	58.65	58.26
57.52	56.88	*56.37	56.43	56.39	56.39	57.38	58.03	58.20	58.70	*58.75	58.70	57.78
57.90	57.30	57.17	*56.78	*56.78	56.81	57.39	57.86	58.22	58.50	*59.00	58.75	57.79
58.06	58.24	*57.47	57.51	57.71	57.88	58.33	58.97	59.32	*59.60	59.50	59.35	58.56
58.52	58.05	57.53	57.35	*57.22	57.44	57.91	58.49	58.97	59.00	58.95	58.70	58.58
57.56	57.28	56.81	*56.60	56.83	56.96	57.53	57.87	58.14	58.40	58.35	57.85	57.72
57.60	57.36	57.08	*56.85	57.02	57.34	57.68	58.23	58.41	58.65	*58.80	58.65	57.84
58.36	58.07	57.77	*57.56	57.70	57.92	58.38	58.66	59.41	*59.55	59.50	59.45	58.67
58.14	57.92	57.40	*57.34	57.45	57.80	58.41	58.97	59.17	59.25	*59.30	59.05	58.58
56.46	56.22	55.84	*55.34	55.75	56.35	57.11	57.38	57.45	57.75	57.65	57.55	57.30
55.72	55.17	54.90	*54.37	54.64	55.03	55.70	56.30	56.67	56.80	56.85	56.65	56.23
56.20	55.96	55.45	*55.15	55.42	56.04	56.54	57.03	57.37	*57.45	57.30	57.00	56.53
57.63	57.50	57.10	57.02	56.97	57.11	57.56	57.97	58.51	*58.85	58.55	58.15	57.56
57.19	56.76	56.39	*56.31	56.52	56.88	57.44	57.88	58.24	58.47	58.51	58.20	57.56

TEMPERATURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
*30.6	29.9	30.0	24.8	*24.3	25.1	25.3	25.9	26.4	27.7	27.0	26.8	26.9
24.9	25.1	24.8	24.8	24.6	24.6	24.4	*24.1	24.3	24.3	24.4	24.4	*25.6
29.4	*30.4	29.6	28.8	28.4	28.3	27.2	27.2	26.7	26.4	26.1	25.6	27.1
28.5	*30.5	30.1	29.6	29.6	29.3	26.8	26.4	26.2	25.9	25.8	25.5	27.2
27.7	29.4	28.9	28.4	28.3	27.7	27.4	27.2	26.9	26.8	26.5	26.4	27.1
31.8	*32.1	31.4	31.4	27.8	28.0	27.7	27.4	27.3	27.2	27.1	26.7	28.2
*32.3	32.1	29.3	29.1	28.7	28.7	28.3	28.1	27.6	27.6	26.8	26.8	28.3
31.3	31.4	31.2	30.9	30.8	30.1	29.3	29.2	28.9	28.5	27.8	27.1	28.9
*32.8	31.6	31.7	31.5	31.1	30.2	29.3	29.0	28.9	28.8	27.9	27.0	28.9
32.2	*32.8	32.6	31.7	30.5	30.0	29.7	27.8	27.3	25.8	26.1	26.4	28.5
34.6	*35.1	32.3	31.2	29.8	29.9	29.6	28.9	27.8	27.2	26.6	25.9	28.9
32.8	32.8	33.4	*34.4	32.9	31.5	31.1	29.6	28.8	28.1	27.5	27.1	29.1
*32.2	31.8	31.7	31.1	*32.2	31.6	30.4	29.7	29.2	28.8	27.5	26.6	29.0
34.0	34.2	34.5	*34.8	31.5	29.8	29.1	27.3	26.7	26.4	26.3	26.2	29.0
32.1	*32.7	32.2	32.2	30.6	30.3	29.9	29.7	28.9	27.8	27.5	26.9	29.1
*32.4	31.6	31.2	30.4	26.6	26.0	25.6	25.6	26.1	26.7	26.4	25.9	27.7
28.3	28.1	27.8	27.3	26.4	26.0	26.0	25.5	24.9	*24.1	24.2	24.4	26.4
*30.0	29.4	28.3	26.2	24.9	25.2	25.1	24.9	24.5	24.4	24.3	24.5	25.8
30.1	29.9	30.1	*30.2	29.8	28.9	27.9	27.3	27.5	27.4	27.1	26.4	27.4
27.7	28.6	29.9	29.4	29.3	27.5	27.0	26.8	26.7	26.2	26.0	26.2	27.6
*31.6	29.7	31.0	31.2	30.5	29.4	28.9	28.8	28.8	28.6	28.6	28.2	28.5
30.8	30.7	*30.9	30.4	30.2	29.8	29.0	28.9	28.8	28.5	28.2	27.9	28.5
*30.9	30.0	30.6	30.2	30.2	29.6	29.4	29.3	28.5	27.8	26.8	26.0	28.5
30.6	30.6	*31.0	30.7	30.5	29.6	29.4	29.3	29.2	29.1	28.7	28.7	28.6
31.4	*31.6	*31.6	31.4	31.3	30.4	29.6	29.4	29.3	28.8	28.6	27.0	29.0
32.1	*32.4	*32.4	31.8	31.0	30.3	29.7	29.5	29.1	28.9	28.2	27.4	29.2
32.2	*32.6	32.2	31.1	30.7	30.4	30.1	28.0	26.9	26.4	25.9	25.8	28.6
32.1	*32.7	32.3	31.8	31.2	30.3	29.9	29.9	29.9	29.7	28.9	28.0	29.2
31.5	*31.7	31.3	30.6	29.9	29.6	29.4	29.3	29.4	29.2	29.2	29.1	28.9
*31.2	30.8	30.8	30.4	30.1	29.4	29.2	29.1	28.9	28.6	28.7	28.5	*29.4
31.0	*31.1	30.8	30.3	29.5	28.9	28.4	28.0	27.7	27.4	27.0	26.6	28.2

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

RELATIVE HUMIDITY.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	87.0	86.0	88.0	88.0	89.0	91.0	90.0	85.0	83.0	82.0	79.0	76.0
2-----	*78.0	*78.0	84.0	81.0	86.0	89.0	89.0	89.5	89.0	85.0	89.0	90.0
3-----	*98.0	94.0	93.0	93.0	95.0	93.0	92.0	83.0	79.0	76.0	75.0	72.0
4-----	87.0	88.0	89.0	93.0	94.0	96.0	85.0	80.0	75.0	79.0	81.0	83.0
5-----	97.0	97.0	*98.0	*98.0	96.0	95.0	90.0	87.0	82.0	76.0	*73.0	84.5
6-----	86.0	88.0	88.0	89.0	*92.0	91.0	84.0	75.0	74.0	71.0	72.0	72.0
7-----	80.0	86.0	87.0	89.0	*92.0	82.0	78.0	74.0	*60.5	62.0	62.0	61.0
8-----	83.0	88.0	88.0	91.0	*92.0	*92.0	83.0	72.0	70.0	68.0	65.0	*63.0
9-----	86.0	89.0	88.0	90.0	*94.0	92.0	82.0	75.0	69.0	65.0	65.0	60.0
10-----	88.0	89.0	92.0	93.0	93.0	*94.0	89.0	80.0	76.0	72.0	67.0	65.0
11-----	91.0	91.0	91.0	92.0	*94.0	*94.0	89.0	80.0	70.0	60.0	59.0	55.0
12-----	88.0	89.0	90.0	91.0	*95.0	*95.0	87.0	82.0	79.0	75.0	74.0	73.0
13-----	87.0	83.0	85.0	87.0	*90.0	89.0	84.0	74.5	72.0	72.0	65.0	74.0
14-----	86.0	88.0	87.0	88.0	89.0	88.0	80.0	68.0	69.0	63.0	62.0	62.0
15-----	91.0	92.0	92.0	*93.0	*93.0	92.0	90.0	76.0	73.0	74.0	70.0	67.0
16-----	90.0	92.0	92.0	94.0	*95.0	93.0	87.0	82.0	75.0	75.0	68.0	64.0
17-----	92.0	91.0	93.0	94.0	93.0	91.0	88.0	82.0	75.0	76.0	*74.0	75.0
18-----	94.0	94.0	*98.0	94.0	86.0	93.0	91.0	91.0	88.0	86.0	74.0	72.0
19-----	93.0	94.0	93.0	94.0	95.0	*97.0	90.0	85.0	80.0	79.0	79.0	76.0
20-----	91.0	93.0	93.0	93.0	93.0	*95.0	84.0	81.0	76.0	74.0	75.0	72.0
21-----	96.0	96.0	92.0	*97.0	*97.0	94.0	84.0	76.0	74.0	71.0	72.0	71.0
22-----	84.0	87.0	89.0	87.0	90.0	*91.0	*91.0	87.0	85.0	79.0	76.0	71.0
23-----	87.0	88.0	90.0	93.0	*95.0	93.0	83.0	78.0	74.0	71.0	71.0	69.0
24-----	91.0	92.0	93.0	94.0	*97.0	*97.0	95.0	89.0	77.0	74.0	74.0	74.0
25-----	82.5	87.0	91.0	*94.0	*94.0	93.0	90.0	83.5	83.0	80.0	73.0	73.0
26-----	90.0	90.0	92.0	94.0	*96.0	95.0	83.0	81.0	78.0	71.0	71.0	71.0
27-----	90.0	88.0	91.0	93.0	*94.0	*94.0	87.0	78.0	76.0	74.0	*66.0	*66.0
28-----	*92.0	*92.0	89.5	89.0	91.0	91.0	87.0	83.0	75.0	67.0	66.0	68.0
29-----	84.0	86.0	89.5	92.0	*95.0	*95.0	90.0	80.0	75.0	68.0	*67.0	69.0
30-----	76.0	76.0	75.0	74.0	75.0	85.0	80.0	74.0	77.0	74.0	79.0	76.0
Mean	88.2	89.1	90.0	91.1	*92.3	*92.3	86.7	80.4	76.3	73.3	71.4	70.8

VAPOR PRESSURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	21.5	20.9	21.4	21.1	21.8	21.9	22.6	22.8	22.9	23.6	23.6	23.3
2-----	22.0	*22.6	*22.6	21.6	22.3	22.4	22.1	*22.6	22.2	*21.4	21.8	22.0
3-----	22.7	22.9	22.5	21.3	21.0	20.8	21.7	21.7	22.7	22.4	*23.4	22.0
4-----	*20.8	*20.8	20.9	21.4	21.8	22.3	22.4	22.9	22.2	23.3	22.0	23.1
5-----	23.6	23.4	23.1	22.9	22.3	22.4	22.9	23.5	23.3	22.7	22.8	23.6
6-----	21.8	22.2	22.3	22.5	21.6	21.6	22.6	21.8	22.6	23.4	23.2	23.4
7-----	20.4	20.6	20.3	20.2	21.1	20.7	21.0	21.5	*20.1	21.3	21.6	21.4
8-----	21.4	21.6	21.2	21.1	21.4	22.4	23.2	23.3	*23.5	23.4	22.8	21.9
9-----	21.9	22.1	21.6	21.4	21.5	*21.3	22.1	23.0	22.8	22.0	22.3	*21.3
10-----	22.3	22.2	22.2	22.2	22.2	22.3	*22.1	23.4	24.5	23.5	22.7	22.7
11-----	21.9	21.6	21.5	21.6	21.6	21.5	23.1	24.2	23.6	21.7	21.7	20.8
12-----	*21.4	*21.4	*21.4	21.5	22.2	22.2	22.9	24.4	24.3	24.1	24.1	24.5
13-----	22.6	21.5	21.7	21.6	*21.3	21.7	22.0	22.6	23.3	23.1	22.7	22.5
14-----	21.8	21.9	21.2	21.2	21.1	21.0	21.1	21.5	21.6	*20.8	21.7	22.4
15-----	22.9	22.5	*22.4	22.5	22.9	23.2	24.3	*24.8	23.5	23.7	23.9	23.8
16-----	22.5	22.8	22.5	22.6	22.4	22.3	23.4	23.3	22.9	23.3	22.5	22.7
17-----	22.4	22.1	22.2	21.9	21.5	21.5	21.9	22.1	21.5	22.8	22.6	23.2
18-----	21.8	21.5	21.5	21.6	20.7	21.5	*20.6	21.3	21.6	*22.6	21.2	21.8
19-----	21.2	21.2	21.1	21.0	*20.9	21.4	22.5	23.5	23.7	*24.2	23.9	23.8
20-----	22.6	22.7	*22.4	*22.4	*22.4	23.0	22.9	23.3	23.3	24.0	23.8	23.7
21-----	22.2	23.0	*21.4	*21.4	21.5	22.1	23.3	23.8	23.8	24.0	23.9	23.7
22-----	23.2	22.9	*22.4	23.2	22.8	22.9	22.9	22.6	22.9	23.4	23.3	22.5
23-----	22.4	22.2	*22.0	22.6	22.6	22.5	23.4	24.0	23.7	23.4	23.4	23.0
24-----	*22.3	*22.3	*22.3	22.6	23.2	23.6	23.8	*25.0	24.4	24.5	24.2	24.3
25-----	23.7	23.4	22.9	22.9	*22.4	22.8	23.7	*25.3	25.2	23.7	24.6	24.5
26-----	23.0	*22.8	23.0	23.4	23.8	23.9	23.7	24.6	*25.9	24.0	24.1	24.2
27-----	23.3	22.3	22.6	22.8	22.7	22.4	23.4	24.1	23.2	23.5	21.8	23.2
28-----	22.5	22.5	22.6	22.3	*22.1	22.3	22.7	23.7	22.8	22.7	22.9	23.4
29-----	23.2	22.7	22.7	22.7	22.6	22.6	22.8	23.5	23.1	22.2	*21.9	23.7
30-----	22.4	22.5	22.1	*21.8	*21.8	22.7	23.7	22.8	24.2	24.6	24.5	24.1
Mean	22.3	22.2	*22.0	*22.0	*22.0	22.2	22.7	23.2	23.2	23.1	23.0	23.0

OBSERVATIONS FOR JUNE, 1902.

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RELATIVE HUMIDITY.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
*72.0	78.0	76.0	*97.0	*97.0	96.0	93.0	92.0	83.0	75.0	78.0	82.0	85.1
92.0	93.0	95.0	94.0	96.0	97.0	97.0	*98.0	97.0	97.0	96.0	97.0	*90.7
72.0	*70.0	75.0	78.0	81.0	82.0	83.0	76.0	78.0	82.0	82.0	84.0	82.8
83.0	*70.0	71.0	73.0	75.0	76.0	90.0	92.0	94.0	97.0	*98.0	*98.0	85.3
89.0	76.0	77.0	77.0	79.0	81.0	78.0	79.0	81.0	83.0	84.0	86.0	85.1
*66.0	*66.0	70.0	68.0	82.0	82.0	76.0	78.0	78.0	79.0	79.0	79.0	78.5
62.0	63.0	72.0	73.0	77.0	76.0	80.0	77.0	79.0	79.0	82.0	83.0	75.7
66.0	65.0	65.0	67.0	66.0	71.0	77.0	70.0	75.0	77.5	81.0	83.0	75.8
*59.0	62.0	63.0	66.0	69.0	73.5	76.0	78.0	78.0	78.0	79.0	83.0	75.8
*63.0	*63.0	68.0	66.0	73.0	75.0	77.0	87.0	87.0	91.0	90.0	90.0	80.3
*47.0	49.5	63.0	73.0	77.0	80.0	79.0	83.0	88.0	87.0	85.0	84.0	77.6
67.0	64.0	62.0	*59.0	65.0	73.0	73.0	79.0	80.0	84.0	87.0	87.0	79.1
*64.0	*64.0	68.0	73.0	*64.0	*64.0	70.0	79.0	78.0	77.0	81.0	85.0	76.2
56.5	57.0	55.0	*51.0	70.0	77.0	79.0	84.0	85.0	87.0	89.0	*91.0	*75.5
66.0	*62.0	68.0	67.0	74.0	75.5	75.0	75.0	79.0	82.0	84.0	84.0	79.0
*59.0	69.0	69.0	74.0	88.0	92.0	86.0	91.0	91.0	87.0	88.0	89.0	82.9
84.0	85.0	87.0	86.0	85.0	91.0	89.0	93.0	92.0	*97.0	95.0	94.0	87.6
*69.0	70.0	77.0	85.0	90.0	90.0	92.0	95.0	95.0	95.0	93.0	93.0	87.7
71.0	72.0	72.0	71.0	*70.0	76.0	79.0	82.0	80.0	81.0	85.0	88.0	82.6
84.0	*71.0	73.0	78.0	81.0	90.0	93.0	92.0	91.0	93.0	91.0	92.0	85.4
*63.0	74.0	72.0	73.0	70.0	80.0	80.0	80.0	80.0	77.0	78.0	82.0	80.4
71.0	72.0	*70.0	74.0	74.0	75.0	78.0	78.0	80.0	83.0	83.0	85.0	80.8
72.0	74.0	*68.5	73.5	75.0	76.0	75.0	74.0	78.0	82.0	86.0	90.0	79.8
*72.0	73.0	73.0	*72.0	74.0	79.0	76.0	76.0	79.0	79.0	83.0	80.0	81.8
73.0	*72.0	*72.0	73.0	74.0	76.0	81.0	81.0	81.0	83.0	85.0	87.0	81.8
*64.0	68.0	68.0	70.0	74.0	78.0	78.0	79.0	81.0	81.0	81.0	85.0	80.0
*66.0	68.0	69.0	75.0	75.0	74.0	75.0	77.0	85.0	89.0	91.0	91.0	80.5
*64.0	*64.0	66.0	66.0	72.0	75.0	77.0	77.0	76.0	74.0	77.0	79.0	77.4
68.0	68.5	68.0	72.0	76.0	78.0	74.0	74.0	72.0	74.0	74.0	74.0	77.6
73.0	71.0	71.0	77.0	*70.0	76.0	78.0	82.0	83.0	85.0	83.0	*86.0	77.3
69.2	*69.1	70.8	73.4	76.4	79.5	80.5	81.9	82.8	83.8	84.9	86.4	80.9

VAPOR PRESSURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
23.4	*24.4	23.9	22.5	21.8	22.7	22.3	22.8	21.3	*20.7	*20.7	21.4	22.3
21.6	22.1	22.1	21.9	22.0	22.2	21.9	21.8	21.8	21.8	21.7	22.1	22.0
22.1	22.7	22.9	22.8	23.3	*23.4	22.2	*20.4	*20.4	21.1	20.7	*20.4	22.0
23.9	22.8	22.6	22.5	23.2	23.1	23.7	23.5	23.8	*24.0	*24.0	23.8	22.7
*24.5	23.0	22.8	22.3	22.5	22.3	*21.0	21.2	21.3	21.6	21.6	21.9	22.6
23.1	23.6	*24.0	23.3	22.9	22.9	21.1	21.3	21.1	21.2	21.1	*20.5	22.3
22.4	22.5	21.9	21.8	22.5	22.2	*22.7	21.8	21.7	21.7	21.4	21.6	*21.4
22.3	22.2	21.9	22.4	21.8	22.6	23.4	*21.0	22.1	22.4	22.4	22.0	22.2
21.8	21.5	21.9	22.9	23.3	*23.4	22.9	23.1	*22.9	22.8	21.9	22.1	22.2
22.6	23.3	*24.8	22.9	23.6	23.5	24.0	24.0	23.4	22.4	22.6	23.1	23.0
*19.2	20.9	22.6	24.6	24.2	*25.1	24.2	24.6	24.5	23.2	21.9	20.8	22.5
24.7	23.5	23.9	23.8	24.2	*25.0	24.6	24.2	23.7	23.7	23.8	23.2	23.4
22.8	22.4	23.6	*24.4	22.8	22.1	22.4	*24.4	23.4	22.7	22.2	22.0	22.6
22.3	22.6	22.5	21.0	*24.1	*24.1	23.7	22.5	22.1	22.3	22.5	23.0	22.1
23.3	23.0	24.2	23.9	24.0	24.2	23.4	23.3	23.4	22.8	22.8	22.8	23.4
21.4	*23.9	23.3	23.8	22.8	22.9	*21.0	22.1	22.9	22.7	22.4	22.2	22.7
24.0	*24.1	24.0	23.1	21.7	22.7	22.3	22.4	21.4	21.5	*21.3	*21.3	22.3
21.7	21.4	22.1	21.6	21.0	21.4	21.7	22.2	21.7	21.6	21.1	21.3	21.5
22.4	22.6	22.9	22.8	21.8	22.4	21.9	22.1	21.8	22.1	22.7	22.4	22.3
23.1	20.7	23.0	23.7	24.4	*24.5	*24.5	24.1	23.7	23.4	22.7	23.2	23.2
21.9	23.0	24.0	*24.6	22.9	24.3	23.6	23.7	23.7	22.3	22.7	23.2	23.1
23.4	23.5	23.2	23.7	23.7	23.2	23.3	22.9	23.7	*23.9	23.6	23.8	23.2
23.8	23.4	22.4	23.4	*24.1	23.3	22.9	22.3	22.6	22.9	22.4	22.5	23.0
23.6	23.8	24.5	23.5	23.9	24.2	23.3	23.1	23.9	23.7	24.3	23.5	23.7
25.1	25.0	25.0	24.8	25.2	24.6	24.9	24.6	24.4	24.3	24.7	23.1	*24.2
22.9	24.8	24.8	24.4	24.7	24.9	24.1	24.1	24.3	24.0	23.0	23.0	24.0
23.4	24.8	24.8	*25.3	24.6	24.0	23.9	*21.7	22.4	22.7	22.6	22.4	23.2
22.9	23.6	23.8	23.1	*24.3	24.0	*24.3	24.0	23.8	23.0	22.8	*22.1	23.1
23.3	23.8	23.1	23.4	23.8	*24.0	22.5	22.3	22.1	22.3	22.3	22.2	22.9
24.5	23.4	23.4	24.8	22.2	23.3	23.4	24.5	24.5	24.7	24.3	*24.9	23.5
22.9	23.1	23.3	23.3	23.2	*23.4	23.0	22.9	22.8	22.6	22.5	22.4	22.8

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

UPPER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Ci. s.		Ci. s.	A. cu. NE.	Ci. s.	Ci. s.
2						
3						
4	Ci. s. NNW.	Ci. s. ENE.	A. cu. E.	A. cu. ENE.		
5	Ci. s.	A. cu. E.	Ci. s. NE. by E.	Ci. s.	Ci. s.	
6	Ci. s.	Ci. s.	A. cu. SW.	A. cu.	Ci. s.	Ci. s.
7	Ci.	Ci.	Ci. NE.	Ci.	Ci.	Ci. s.
8	Ci. s. NE.	Ci. s. NE. by N.	Ci. s. NE. by N.	Ci. s.	Ci. s.	Ci.
9	Ci. NE.	Ci.	Ci. NE.	Ci.	Ci.	Ci.
10	Ci. s. ENE.	Ci. s.	Ci. s.	Ci. s. ENE.	Ci. s.	Ci. s.
11	Ci. s.	Ci. s.	Ci.	Ci.	Ci.	Ci.
12	Ci. s.	Ci.	Ci.	Ci.	Ci.	Ci.
13	Ci. s.	Ci. s. NNE.	Ci.	Ci. s.	Ci. cu.	Ci. cu.
14	Ci.	Ci.	Ci.	Ci.	Ci.	
15				A. cu.		
16	Ci. s.	Ci.	Ci. s.	A. cu. E. by N.	Ci. s.	Ci. s.
17	A. cu. NE. by E.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
18				Ci. s.	Ci. s.	Ci. s.
19	Ci.			Ci. cu. S.		
20	A. cu.	A. cu.	Ci. cu. W. by S.	Ci. cu.	A. cu.	A. cu.
21	Ci.	Ci.	Ci. s.	Ci.	A. cu.	A. cu.
22		A. cu.	A. cu. SSW.	A. cu.	A. cu.	A. cu.
23	Ci.	Ci.	Ci.	Ci.	Ci. s.	Ci. s.
24		A. cu.				
25						
26	Ci.	A. cu.	Ci. s.	Ci. s.	Ci. s.	Ci.
27	Ci.	Ci.	Ci. s.	Ci. s.	Ci. s.	Ci.
28	Ci. s. ENE.	Ci. s.	Ci. s. ENE.	Ci. s. ENE.	Ci. s.	Ci. s.
29	Ci. cu. NE. by E.	Ci. cu.	Ci. cu. NE. by E.	A. cu.	Ci. s.	Ci. s.
30	Ci. s.	Ci. s. NE. by E.	Ci. s. NE. by E.	Ci. s.	Ci. s.	Ci. s.

LOWER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Cu. N.	Cu. N. N. by W.	Fr. N. N. by W.	Cu. N.	Fr. N. NW. by N.	Cu. N.
2	Cu. N. W. by S.	Cu. N. W. by S.	Cu. N. W.	Cu. N. W.	N. SW. by W.	Cu. N. SW. by W.
3		S. cu.	Fr. N. WSW.	S. cu.	Fr. N. S.	Fr. N. S. by W.
4	Cu. N. S. by W.	Cu. N.	Cu. N. S. by W.	N. cf.	N. S. by W.	Cu. N.
5	Cu. N.	Cu.	Fr. N. S.	Cu.	Cu. N.	N.
6	Cu. N.	Cu. SSW.	Cu. N.	Cu.	Cu.	Cu.
7	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
8	Cu.	Fr. cu. S.	Cu.	Cu.	Cu.	Cu.
9	Cu.	Cu. N. SW.	Cu. N. SW.	Cu. N.	Cu.	Cu. N.
10	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
11	Cu.	Cu. ESE.	Cu. ESE.	Cu.	Cu.	Cu.
12	Cu.	Cu.	Cu. E. by S.	Cu.	Cu.	Cu.
13	Cu.	S. cu. E.	S. cu. E. by N.	Cu. E. by N.	Cu. E. by N.	Cu. N.
14	Cu.	Cu.	Cu. N.	Cu.	Cu.	Cu.
15	S. cu.	Cu. SE. by S.	Cu. SE. by S.	Cu.	Cu.	Cu.
16	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
17	S. cu.	S. cu.	Cu. WNW.	Cu. NW. by W.	Cu.	Cu.
18	N.	Cu. N. SW.	Cu. N. W.	Cu. N. W.	N. cf. W.	Cu.
19	Cu. N.	N. cf. SW.	N. cf. SW.	Cu. N.	Cu. N.	Cu. N.
20	S. cu.	S. cu.	Cu. SW. by W.	Cu. WSW.	Fr. cu. WSW.	Cu. N.
21	Cu.	Cu.	Cu. WSW.	Cu. WSW.	Cu.	Cu. N.
22	Cu. N.	Cu.	Cu. WSW.	Cu. N. WSW.	Cu.	Cu.
23	Cu.	Cu.	Cu. SW. by W.	Cu.	Cu.	Cu.
24	N. cf. WSW.	Cu. N.	Cu. N.	Cu. N. WSW.	Cu. N.	Cu.
25	N.	N. cf. W.	Cu. W. by S.	N. cf. W. by S.	Cu.	Cu.
26	Cu.	Cu.	Cu.	Cu. W.	Cu. W.	Cu.
27	Cu.	Cu. W.	Cu.	Cu. WNW.	Cu.	Cu.
28	Cu. N.	Cu.	Cu.	Cu. NW. by W.	Cu.	Cu.
29	Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu. N.
30	Cu.	Cu. W.	Cu.	Cu. WSW.	Cu. N.	Cu. N.

UPPER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Ci. s.	Ci. s.	Ci. s.			
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. cu. N.	Ci. cu. N.	Ci. cu. NE.	Ci. s. NE. by E.	Ci. s. NE. by E.	Ci. cu.
Ci.	Ci. s.	Ci. s.	Ci. cu. N.	Ci. cu. N.	Ci. s.
Ci.	Ci. s.	Ci. s.	Ci. cu. S.	A. cu. SW.	Ci. s.
Ci.	Ci. s.	Ci. s.	Ci. E. by N.	Ci.	Ci. s.
Ci. s.	Ci. s.	Ci. ENE.	Ci. ENE.	Ci. s.	Ci. s.
Ci. SSE.	Ci. cu. E.	Ci. cu.		Ci.	Ci. s.
Ci.	Ci.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci.
Ci. s.	Ci. s. E. by N.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. E. by S.	Ci.	Ci. s.	Ci.		Ci. s.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci. s.	Ci. s.			
A. cu.	A. cu.	A. cu. W. by S.	A. cu.	A. cu.	A. cu.
	Ci. s.	Ci. s. E. by N.	A. cu. NE.		
A. cu. E. by S.	Ci. s.	Ci. s.	Ci. cu. E. by S.	Ci. s.	Ci. s.
Ci. cu.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci.
Ci. s.	A. cu.	A. cu. WSW.	Ci. cu.	Ci. cu.	Ci.
	Ci.	Ci.	Ci.	Ci.	A. cu.
Ci.		Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci. s. E. by S.	Ci. s.	Ci. s. E. by S.	Ci. s.	Ci. s.
Ci. s.	Ci.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
A. cu.	Ci. s.	Ci. s. ENE.	Ci. s.	Ci. s.	Ci. s.

LOWER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Cu.	Cu. N.	Cu. N.	N.	N.	N.
N. WSW.	Cu. N. WSW.	N. SW. by S.	N. SW. by W.	N.	Cu. N.
Cu.	Cu. N.	Cu. N.	S. cu.	Fr. N. S.	Fr. N.
N. cf.	N. cf. SSW.	Cu. SSW.	Cu.	Cu. N.	N.
Fr. N. S.	Cu. N.	Cu. N. S.	Cu. N.	Cu. N.	Fr. N.
Cu. N. SSW.	Cu. N.	Cu. N. NE.	Cu. N.	Cu. N. SSW.	Cu. N.
Cu.	Cu.	Cu. SW. by S.	S. cu. SW. by S.	S. cu.	Cu. N.
Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
Cu.	Cu. SW.	Cu.	Cu.	Cu.	Cu.
Cu.	Cu.	Cu.	Cu. N.	Cu. N.	Cu. N.
Cu. N.	Cu. N. NE.	Cu. N.	Cu. N.	Cu. N.	Cu. N.
Cu.	Cu. ESE.	Cu. N.	Cu. N.	S. cu. ESE.	Cu. N.
Cu.	Cu.	Cu. N.	Cu.	Cu. N.	Cu.
Cu.	Cu.	Cu.	Cu. N.	Cu. N.	Cu. N.
Cu.	Cu.	Cu.	Cu. N.	Cu. N.	Cu. N.
Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu. N.	Fr. N.
Cu. N. NNW.	Cu. N. NE. by N.	Cu. N. SW.	Fr. N.	Cu. N. NE. by E.	Cu. N.
Cu.	N. cf.	Cu. N. W.	N.	N. WNW.	S. cu.
Cu.	Cu.	Cu. N.	Cu.	Cu.	S. cu.
N. cf. WSW.	Cu.	Cu. N.	Cu. N. W. by S.	Cu. W. by S.	N.
Cu. N. SW.	Cu. N.	Cu. N. SW. by S.	Cu. N.	Cu. N.	Cu. N.
Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
Cu.	Cu.	Cu.	Cu.	Cu.	S. cu.
Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
Cu.	Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu. N.
Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
Cu. ENE.	Cu.	Cu.	Cu.	Cu.	Cu.
Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
Cu.	Cu.	Cu. N.	Cu. N.	Cu. N.	Cu. N.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
1	NNW.	2.5	NNW.	1.5	NNW.	1.5	NNW.	1.0	N.	2.0	N.	3.5
2	WSW.	6.0	WSW.	9.0	WSW.	*10.5	WSW.	*10.5	SW.	9.0	SW.	6.0
3	SW.	5.0	W.	*14.0	SSW.	6.5	SSE.	3.0	SSE.	2.5	SSE.	2.5
4	Calm.		ESE.	1.5	Calm.		Calm.		Calm.		Calm.	
5	Calm.		Calm.		SE.	1.0	Calm.		Calm.		S.	0.5
6	WSW.	2.0	WSW.	1.5	SSW.	2.0	ESE.	2.0	Calm.		SE.	1.0
7	Calm.		Calm.		Calm.		Calm.		Calm.		Calm.	
8	SE.	1.0	Calm.		SE.	1.5	ESE.	2.0	Calm.		SE.	1.5
9	S.	1.0	Calm.		Calm.		SSE.	1.0	Calm.		Calm.	
10	Calm.		Calm.		Calm.		Calm.		Calm.		Calm.	
11	NE.	1.0	NE.	0.5	NE.	1.0	NE.	0.5	Calm.		Calm.	
12	WNW.	0.5	NW.	0.5	Calm.		Calm.		NE.	1.5	Calm.	
13	NNW.	1.5	Calm.		NNW.	1.5	NNW.	1.0	NE.	1.5	NE.	0.5
14	Calm.		Calm.		E.	2.5	E.	1.0	Calm.		Calm.	
15	Calm.		Calm.		E.	1.0	E.	1.5	Calm.		SE.	2.0
16	N.	1.0	N.	0.5	E.	1.0	Calm.		Calm.		Calm.	
17	Calm.		Calm.		NNE.	1.0	Calm.		NE. by N.	2.5	Calm.	
18	W. by S.	8.5	SW.	8.0	W.	*9.0	W.	7.0	WSW.	2.0	S. by W.	5.5
19	Calm.		Calm.		Calm.		Calm.		Calm.		Calm.	
20	SE.	1.0	ESE.	1.0	ESE.	1.0	Calm.		SSW.	1.5	S.	1.5
21	W.	3.0	W.	1.5	S.	1.0	ENE.	1.0	ENE.	1.5	E.	1.0
22	Calm.		Calm.		WSW.	5.0	N.	5.0	Calm.		Calm.	
23	SE.	1.0	SE.	1.0	SE.	1.0	Calm.		Calm.		SSE.	1.0
24	Calm.		ESE.	1.0	Calm.		Calm.		ESE.	1.0	Calm.	
25	SW.	1.5	Calm.		Calm.		Calm.		Calm.		Calm.	
26	SE.	1.0	SE.	1.0	SE.	1.5	Calm.		Calm.		Calm.	
27	Calm.		Calm.		Calm.		Calm.		E.	0.5	NE.	1.0
28	NE.	1.0	Calm.		Calm.		NE.	1.0	Calm.		Calm.	
29	NE.	1.0	NE.	1.0	Calm.		Calm.		E.	1.5	Calm.	
30	WSW.	5.0	WSW.	4.0	WSW.	5.0	WNW.	5.5	WSW.	0.5	SW.	1.0
Mean		1.5		1.6		1.8		1.4		*0.9		1.0

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
1	W. by S.	4.0	W. by S.	5.0	W.	1.5	N. by E.	7.0	E.	1.0	NW.	7.0
2	SSW.	7.0	SSE.	3.0	SE.	1.0	Calm.		ESE.	0.5	Calm.	
3	WSW.	2.0	W.	3.5	WSW.	6.0	W. by S.	7.0	WSW.	6.5	WSW.	6.0
4	S.	3.0	WSW.	2.5	WSW.	4.0	WSW.	3.0	WSW.	3.5	WSW.	3.0
5	S.	0.5	WSW.	3.5	W. by S.	6.0	WSW.	6.5	WSW.	6.5	WSW.	3.5
6	WSW.	5.0	WSW.	5.0	WSW.	5.0	WSW.	7.5	W. by S.	*12.0	W. by S.	7.0
7	WSW.	6.0	WSW.	7.0	WSW.	*15.0	W. by S.	12.0	WSW.	8.0	SW. by W.	9.0
8	WSW.	7.5	WSW.	6.0	WSW.	*8.0	WSW.	6.0	WSW.	6.5	WSW.	7.0
9	W.	4.0	W.	4.0	W. by S.	*4.5	WSW.	*4.5	WSW.	3.5	SW.	2.0
10	WNW.	5.0	WSW.	3.5	WSW.	2.0	WSW.	4.5	WSW.	4.5	SW. by W.	*5.5
11	SSE.	3.5	SE.	*5.0	SE.	1.0	WSW.	4.5	SW.	3.5	SW.	4.0
12	WSW.	2.0	WNW.	*5.0	W.	1.5	WSW.	0.5	W. by S.	4.0	WSW.	2.0
13	Calm.		W.	*3.0	W.	2.0	NE.	0.5	Calm.		SE.	2.5
14	WSW.	1.5	WSW.	0.5	WSW.	3.0	SSW.	*6.0	SW.	5.5	S.	4.0
15	W.	4.0	WSW.	4.0	W.	5.0	WSW.	*6.5	SW.	5.0	SW. by W.	6.0
16	WSW.	4.0	WSW.	*5.0	WSW.	3.0	SW.	2.0	NE.	1.5	NE.	1.5
17	SSW.	1.5	SSW.	3.0	S. by W.	4.0	S.	3.0	S. by W.	6.5	S. by W.	6.0
18	WSW.	0.5	WSW.	0.5	WSW.	1.5	WNW.	*9.0	W.	4.5	Calm.	
19	WSW.	4.0	WSW.	5.0	WSW.	*7.0	WSW.	*7.0	WSW.	6.5	W.	5.0
20	WSW.	*18.0	W.	5.0	W.	5.0	WSW.	4.5	WSW.	2.0	WSW.	1.0
21	WSW.	7.0	WSW.	*9.5	WSW.	4.0	WSW.	6.0	WSW.	8.0	WSW.	7.0
22	SW. by W.	4.0	WSW.	5.0	WSW.	5.0	WSW.	*7.0	SW. by W.	6.0	WSW.	6.0
23	WSW.	6.0	WSW.	6.5	WSW.	7.5	WSW.	7.0	WSW.	6.5	WSW.	6.5
24	W. by S.	6.5	WSW.	5.5	WSW.	7.5	WSW.	8.5	W. by S.	7.5	W. by S.	5.5
25	W. by S.	6.0	WSW.	4.0	WSW.	*7.0	WSW.	4.0	SW. by W.	6.0	SW.	3.0
26	WSW.	4.5	SW.	*5.5	SW.	5.0	SW.	4.5	SW.	4.5	SSW.	2.5
27	WSW.	2.0	WSW.	3.0	SW. by W.	5.0	WSW.	*7.0	WSW.	6.5	WSW.	5.0
28	WSW.	4.0	WSW.	2.5	WSW.	2.5	WSW.	*6.0	WSW.	5.5	WSW.	*6.0
29	SW.	1.0	SW.	3.5	SW.	4.0	WSW.	5.5	WSW.	6.0	WSW.	6.0
30	SW.	5.0	WSW.	5.5	SW. by W.	4.0	WSW.	*7.0	WSW.	5.5	WSW.	5.5
Mean		4.3		4.3		4.6		*5.5		5.1		4.5

OBSERVATIONS FOR JUNE, 1902.

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WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
N.	2.5	NNW.	1.5	NW.	1.5	NW.	3.5	W.	3.5	WNW.	3.0
SSW.	9.0	SSW.	9.5	SSW.	6.5	SSW.	8.5	SSW.	7.5	SSW.	6.0
SE.	1.5	ESE.	1.0	SE.	2.0	ESE.	2.0	ESE.	1.5	W.	1.0
Calm.		Calm.		S.	1.5	Calm.		SW.	*5.0	SW.	2.5
S.	3.5	SSE.	1.5	SSE.	1.0	SSE.	1.0	S.	1.5	S. by W.	*7.0
Calm.		S.	1.5	S.	2.5	S.	2.5	WSW.	2.0	WSW.	4.0
ESE.	0.5	Calm.		S.	0.5	WSW.	1.0	W.	1.5	WSW.	2.5
SE.	1.0	SE.	0.5	S.	0.5	SSW.	1.0	WSW.	2.5	W.	2.0
Calm.		Calm.		SE.	0.5	SSW.	1.0	WSW.	1.5	WSW.	2.0
Calm.		Calm.		Calm.		NW.	5.0	W.	2.5	WSW.	3.0
E.	0.5	ESE.	1.5	SE.	2.0	SE.	0.5	SE.	4.0	SE.	3.0
Calm.		Calm.		SSW.	2.0	NW.	1.0	W.	2.5	WSW.	2.0
NE.	1.5	Calm.		Calm.		Calm.		W.	2.5	NE.	1.0
E.	1.0	Calm.		SSW.	1.5	WSW.	0.5	WSW.	2.0	WSW.	1.0
SE.	1.0	Calm.		SSW.	1.5	WSW.	3.0	WSW.	2.5	W.	2.0
Calm.		Calm.		WNW.	2.0	WNW.	3.0	W.	3.5	W.	3.5
Calm.		NNE.	1.0	W.	3.0	W.	0.5	Calm.		SW.	1.0
WSW.	6.0	Calm.		Calm.		Calm.		SSE.	0.5	S.	0.5
Calm.		Calm.		Calm.		Calm.		WSW.	2.5	WSW.	3.0
S.	3.0	SSW.	5.0	SSW.	1.5	WSW.	1.5	WSW.	10.0	W.	8.0
Calm.		Calm.		S.	0.5	SW.	2.5	WSW.	6.0	WSW.	8.0
W.	*7.0	Calm.		E.	1.0	W.	5.0	WSW.	4.5	WSW.	4.0
SSE.	1.0	S.	0.5	SW.	3.5	SW. by W.	5.0	W. by S.	8.0	WSW.	*9.5
Calm.		Calm.		S.	1.5	SSW.	3.0	WSW.	6.5	W. by S.	7.5
Calm.		SE.	1.5	WSW.	0.5	WSW.	3.0	SW.	2.0	WSW.	6.0
S.	1.0	Calm.		Calm.		WSW.	1.5	WSW.	2.0	WSW.	2.5
Calm.		Calm.		NW.	1.0	W.	2.0	W.	2.5	WSW.	2.0
NNE.	2.0	NE.	1.0	Calm.		WSW.	2.0	W.	0.5	Calm.	
Calm.		Calm.		W.	1.0	WNW.	4.0	WNW.	3.0	SW.	2.0
W.	1.5	W.	3.0	WNW.	3.0	W.	2.5	W.	1.0	WSW.	5.0
1.4		1.0		1.4		2.2		3.2		3.5	

7 p.		8 p.		9 p.		10 p.		11 p.		12 p.		Mean.
WNW.	9.0	W.	9.0	W.	8.5	NW. by W. *10.0		NNW.	6.0	WNW.	3.5	4.1
E.	1.0	Calm.		E.	0.5	Calm.		Calm.		Calm.		*4.6
S.	4.0	S.	4.5	WSW.	9.0	SSW.	3.0	SSW.	1.0	Calm.		4.0
Calm.		Calm.		Calm.		Calm.		SE.	1.0	Calm.		1.3
SW.	5.5	S. by W.	4.0	S.	2.0	WSW.	2.0	WSW.	3.5	SSW.	2.0	2.6
W.	3.0	W.	1.0	W.	1.5	Calm.		SSW.	2.5	S. by W.	4.0	3.1
SSW.	4.5	S.	1.5	S. by W.	1.5	S.	1.5	W.	4.5	W.	2.0	3.3
SW. by W.	4.5	WSW.	5.0	W.	1.5	WSW.	1.5	S.	1.5	S.	1.5	2.9
SSE.	3.0	WSW.	3.5	SSW.	1.5	SW.	1.0	Calm.		Calm.		1.6
SW.	3.5	SE. by E.	0.5	NE.	1.0	W.	3.5	WNW.	2.0	NE.	1.0	2.0
SSW.	1.5	SSE.	1.0	SSE.	1.5	Calm.		WSW.	3.0	WNW.	0.5	1.8
Calm.		Calm.		NE.	2.0	NNW.	3.0	Calm.		NNW.	1.0	1.3
SSE.	0.5	Calm.		S.	2.0	SSE.	2.0	ESE.	2.5	E.	1.0	*1.1
Calm.		E.	2.0	ENE.	2.5	NE.	1.0	Calm.		Calm.		1.5
W.	5.0	SW.	2.0	SE.	2.0	ESE.	1.0	N.	1.0	N.	1.0	2.4
NE. by E.	1.5	Calm.		ESE.	1.0	Calm.		Calm.		ENE.	0.5	1.4
Calm.		SW.	4.5	W.	*7.0	WSW.	4.0	NE.	0.5	SW.	4.5	2.2
Calm.		ESE.	1.0	Calm.		ESE.	2.0	SE.	2.0	Calm.		2.8
NW. by W.	7.0	WSW.	3.0	WSW.	1.5	SW.	2.0	Calm.		Calm.		2.2
WSW.	5.5	WSW.	4.5	W.	2.5	E.	1.5	WSW.	3.0	W.	2.5	3.8
WSW.	5.5	WSW.	4.0	WSW.	4.5	WSW.	9.0	W.	5.0	WSW.	3.0	4.0
SW. by W.	4.0	SW.	4.5	WSW.	5.0	SW.	1.5	SSW.	1.5	S.	1.0	3.4
WSW.	6.5	WSW.	7.5	NW.	2.0	WNW.	2.0	SSE.	2.0	ESE.	2.0	3.9
WSW.	8.5	WSW.	3.5	WSW.	5.5	WSW.	3.5	WSW.	*10.0	W.	3.0	4.0
WSW.	3.5	SW. by W.	3.5	SW.	2.5	SSW.	2.0	S.	1.0	SE.	1.0	2.4
SW. by W.	3.5	SW.	4.5	WSW.	3.0	SW.	1.0	Calm.		Calm.		2.0
WSW.	3.0	NE.	3.5	ENE.	2.0	Calm.		NE.	0.5	Calm.		1.9
WSW.	4.5	WSW.	3.5	WSW.	3.0	NW.	4.0	N.	2.0	Calm.		2.1
WSW.	*8.0	WSW.	5.0	WSW.	5.5	WSW.	7.5	WSW.	7.5	W. by S.	4.5	3.2
SW.	5.0	SW.	4.0	SSW.	2.5	WSW.	2.0	WSW.	3.0	W.	1.5	3.6
3.6		3.0		2.8		2.4		2.2		1.4		2.7

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

WIND—FORCE IN KILOMETERS PER HOUR.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	8.5	9.5	10.0	7.5	9.0	11.5	8.5	11.0	12.5	14.0	10.5	16.5
2	25.5	30.0	41.5	*45.0	39.0	29.0	27.5	25.5	26.5	28.0	22.5	28.0
3	7.5	26.5	21.5	10.0	8.0	5.5	7.5	8.0	5.0	6.0	3.5	7.5
4	2.0	2.0	4.0	1.5	0.5	3.0	4.5	3.0	4.0	4.5	6.5	7.0
5	1.0	2.0	4.0	1.5	0.5	3.0	8.5	6.0	4.5	3.0	2.5	5.5
6	9.5	8.5	12.0	11.0	4.0	5.0	4.0	4.5	10.0	10.0	10.0	14.5
7	13.0	2.5	1.5	1.5	3.5	5.0	4.5	6.5	5.0	5.0	5.5	13.0
8	5.0	2.0	2.5	6.5	4.5	5.5	3.5	5.5	4.5	4.5	6.0	11.5
9	4.5	3.5	3.0	4.0	4.5	5.0	4.5	3.0	2.0	4.5	11.0	11.5
10	2.0	3.0	2.5	0.5	1.5	0.0	3.5	3.5	3.5	8.0	12.5	13.5
11	5.0	3.5	5.0	3.5	4.0	4.0	4.0	2.5	7.0	6.0	7.5	9.0
12	5.5	4.5	3.5	3.0	4.5	4.0	1.5	1.0	6.0	9.5	10.0	12.5
13	4.0	5.5	3.5	6.0	6.0	6.5	6.0	2.5	4.5	7.5	7.0	9.5
14	5.0	1.0	3.5	3.0	5.5	5.0	4.0	3.0	5.5	9.5	8.5	9.0
15	2.5	3.0	4.5	5.5	6.0	6.0	7.5	6.5	5.5	7.5	8.5	14.0
16	4.5	3.0	5.0	2.0	3.5	2.0	0.0	1.5	4.0	11.5	12.5	13.0
17	3.5	2.5	5.0	4.0	6.0	6.5	2.5	6.0	9.5	9.5	7.5	6.5
18	22.0	16.0	29.0	21.5	17.5	13.5	19.5	10.0	1.5	1.5	2.5	5.0
19	2.0	2.0	2.5	5.0	2.0	3.5	2.0	1.0	4.0	5.5	9.0	13.0
20	3.5	4.0	6.0	5.5	3.0	4.5	9.0	9.5	9.5	8.5	19.0	27.5
21	15.5	10.0	3.5	6.5	3.0	5.0	3.0	2.0	5.0	5.5	17.5	25.0
22	3.5	4.0	6.0	17.5	4.5	4.5	6.0	8.5	5.5	5.5	23.5	22.0
23	3.0	2.5	3.0	2.0	3.0	6.0	5.0	5.0	8.0	16.0	25.5	33.0
24	5.0	3.0	2.0	3.5	3.0	3.5	10.0	2.5	3.0	9.5	19.0	26.5
25	12.5	5.5	2.5	3.0	3.0	3.0	3.5	1.5	4.5	8.0	8.0	17.5
26	3.0	3.0	4.0	4.0	3.5	3.5	3.5	3.5	3.0	6.5	13.0	13.0
27	2.5	1.5	3.0	2.5	2.0	3.5	1.5	1.0	6.0	12.5	10.5	10.5
28	4.0	3.0	1.0	3.5	3.0	4.0	6.0	9.5	7.5	8.0	10.0	10.0
29	3.0	4.5	3.5	2.0	3.0	5.5	5.0	2.5	8.0	10.0	12.5	11.5
30	*26.5	20.5	25.5	21.0	15.5	5.0	5.5	13.0	13.5	12.0	8.0	14.0
Mean	7.2	6.4	7.5	7.1	5.9	5.7	6.0	*5.6	6.6	8.6	11.0	14.4

AMOUNT OF CLOUDS (0-10).

Day.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	Mean.
1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	*10.0
2	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	*10.0
3	10	10	10	9	9	9	9	10	10	10	10	10	10	10	9	9	10	9.6
4	3	9	6	7	8	10	10	10	8	9	8	9	8	10	10	10	10	8.5
5	10	10	10	10	10	10	10	10	9	7	8	8	8	8	9	5	8	8.8
6	4	8	9	9	6	7	9	6	8	7	6	7	8	9	4	7	2	6.8
7	2	4	3	3	4	3	5	6	5	5	5	6	8	9	10	6	7	5.4
8	10	8	6	5	7	6	5	5	4	4	4	3	3	4	7	3	6	5.3
9	4	5	4	3	3	3	3	2	3	8	3	4	3	3	2	2	2	*3.5
10	4	6	6	5	6	5	5	6	7	7	6	7	7	9	10	9	10	6.8
11	4	3	3	3	3	3	3	4	3	6	8	8	9	9	6	10	8	5.5
12	9	3	5	6	5	5	5	4	5	5	5	6	7	5	4	3	2	4.9
13	3	4	4	5	6	6	5	6	6	6	7	6	4	3	3	3	4	4.8
14	4	1	1	1	1	1	1	2	4	5	4	6	7	8	4	9	8	3.9
15	5	5	6	4	6	5	3	3	3	3	3	7	6	8	4	3	4	4.6
16	4	4	4	4	7	5	6	5	7	8	10	10	10	10	10	10	9	7.2
17	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	*10.0
18	10	10	10	10	10	9	9	9	9	9	10	10	10	10	9	10	8	9.5
19	8	6	1	3	5	2	1	2	8	7	7	5	2	4	9	10	6	5.1
20	10	9	7	6	3	4	7	8	9	8	7	7	7	8	5	4	4	6.6
21	4	4	3	3	4	4	5	5	7	7	7	7	7	6	3	2	3	4.8
22	9	9	9	7	6	7	6	5	5	3	3	3	3	2	3	3	4	5.1
23	3	2	3	3	4	3	5	5	4	7	5	3	3	3	3	3	3	3.6
24	3	10	9	4	3	2	2	3	3	3	3	3	3	7	2	3	1	3.8
25	4	6	9	7	4	7	3	2	3	3	3	3	3	2	2	3	4	4.0
26	3	3	2	4	3	5	3	3	2	2	3	6	6	7	4	3	3	3.6
27	5	2	2	3	3	3	3	3	6	8	9	9	9	9	6	9	5	5.5
28	4	7	7	7	7	3	4	3	4	4	5	5	5	8	5	4	4	5.2
29	7	10	9	8	9	9	9	10	10	10	10	10	10	10	10	8	3	8.9
30	5	10	10	8	8	9	10	9	8	9	9	9	10	10	8	9	9	8.8
Mean	6.0	6.6	6.3	*5.9	6.0	*5.9	*5.9	*5.9	6.3	6.7	6.6	6.9	6.9	*7.4	6.4	6.3	*5.9	6.3

OBSERVATIONS FOR JUNE, 1902.

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WIND—FORCE IN KILOMETERS PER HOUR.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
14.5	17.5	21.0	18.0	23.5	8.0	28.5	*34.5	33.0	30.0	28.0	16.0	16.7
25.5	20.5	7.0	5.0	3.0	4.0	3.5	3.5	4.0	1.5	2.0	1.5	*18.7
8.0	7.0	17.5	24.0	*30.0	29.5	23.5	12.5	20.0	19.5	6.0	1.5	13.1
5.0	9.0	*13.5	13.0	13.0	7.0	3.0	1.0	3.5	2.0	4.0	2.5	*5.0
10.5	7.0	23.0	*30.5	29.0	*30.5	19.0	17.5	13.0	12.5	20.5	11.0	11.1
15.5	22.0	24.5	27.0	*45.0	7.5	15.5	11.0	8.0	3.5	11.0	12.0	12.7
17.5	28.5	36.0	*51.5	35.0	28.0	21.5	10.5	6.0	7.0	20.5	11.5	14.2
6.5	27.0	27.0	*30.5	24.0	21.5	27.0	20.5	21.0	7.0	4.5	3.5	11.7
13.5	14.5	20.5	*22.5	21.5	17.0	11.5	19.5	11.5	7.5	5.0	1.5	9.5
12.5	16.0	17.5	18.0	*24.0	21.5	19.0	6.5	4.5	16.0	13.0	4.0	9.4
9.0	10.0	8.5	15.5	14.5	*17.5	13.5	6.0	3.5	3.0	10.5	7.5	7.5
11.5	*13.5	13.0	9.0	7.0	7.5	5.5	3.0	7.0	7.0	3.0	5.0	6.6
8.0	13.5	*14.5	15.5	3.0	6.0	5.0	5.5	5.0	5.5	9.0	5.5	6.7
10.5	10.5	11.5	12.0	*23.0	20.0	6.5	3.5	5.0	5.0	4.0	2.5	7.4
16.5	14.5	22.5	*24.0	23.5	22.0	23.5	18.0	10.0	5.5	4.5	4.5	11.1
13.5	15.0	*20.5	15.0	8.5	6.5	5.5	6.5	5.5	3.0	1.0	4.0	7.0
7.0	13.0	14.0	13.5	15.5	16.0	17.0	14.0	*20.0	16.0	7.5	16.0	9.9
5.5	7.5	8.0	20.5	*30.0	8.5	4.0	4.5	7.0	4.0	7.0	3.0	11.2
20.0	25.5	25.0	32.0	*33.5	30.5	33.0	23.5	14.0	10.5	16.0	1.5	13.2
27.0	*51.5	20.5	24.5	17.0	15.5	17.0	19.0	16.5	8.5	8.5	13.5	14.5
*34.0	30.0	32.5	28.0	30.0	27.5	24.0	18.5	22.5	26.5	18.5	9.0	16.8
23.0	23.0	20.5	24.0	*28.5	21.5	23.0	27.0	22.0	10.5	7.0	5.5	14.4
33.5	*38.5	34.0	32.5	27.5	29.0	29.5	24.5	20.5	9.5	5.0	7.0	16.8
26.0	30.5	*33.0	30.0	29.5	23.0	24.5	21.0	21.5	14.5	14.5	17.5	15.7
22.5	22.5	*28.5	22.5	27.0	19.5	24.5	19.0	14.0	9.0	5.5	4.5	12.1
16.0	20.0	22.0	*26.0	24.0	23.5	19.5	15.5	12.0	8.5	3.5	1.5	10.6
10.5	12.5	17.0	23.5	*28.5	25.5	25.0	23.0	7.0	3.5	4.0	2.5	10.0
10.5	12.5	17.0	21.0	*28.5	25.5	25.5	21.0	14.0	14.5	14.0	3.0	11.5
12.0	12.0	18.0	24.5	30.0	26.0	28.0	25.5	26.5	29.0	*31.5	29.0	15.1
19.0	25.0	24.0	23.0	26.0	25.5	19.5	18.0	16.5	12.0	15.5	14.0	17.4
15.5	19.0	20.4	22.4	*23.4	19.0	18.2	15.1	13.2	10.4	10.2	7.4	11.9

FREQUENCY OF THE WIND.

Day.	N. NNW.	NW. WNW.	W. WSW.	SW. SSW.	S. SSE.	SE. ESE.	E. ENE.	NE. NNE.	Calm.
1	9	7	6				1	1	6
2			4	9	1	2	2		1
3			5	4	5	5			13
4			7	4	2	1			4
5			13	3	3	2			3
6			11	2	3	1			7
7			12	1	3	6			2
8			8	4	3	1			8
9			8	1		1			9
10		3						2	
11		1	2	3	3	7	1	4	3
12	2	4	7	1				2	8
13	3		3		3	2	1	5	7
14			6	3	1		5	1	8
15	2		9	3		4	2		4
16	2	2	5	1		1	3	2	8
17			4	8	1			4	7
18		1	9	2	2	3			7
19		1	10	1					12
20			14	3	2	3	1		1
21			16	1	2		3		2
22	1		13	3	1		1		5
23		2	11	1	4	4			2
24			14	1	1	2			6
25			10	5	1	2			6
26			6	7	1	3			7
27		1	10				2	3	8
28	1	1	11					4	7
29		2	10	4			1	2	5
30		2	17	5					
Mean	*0.7	0.9	*9.0	2.7	1.7	1.7	0.8	1.0	5.5

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.
1-----	*56.65	0.05 a.	30.6	1.00 p.	97.0	24.4	*52.38	3.00 p.	22.8	5.20 p.	72.0	20.7
2-----	58.35	11.15 p.	*28.7	2.20 a.	*98.0	*22.6	53.40	2.50 a.	22.8	10.15 p.	*78.0	21.4
3-----	58.25	9.55 p.	30.4	2.00 p.	*98.0	23.4	55.50	3.40 p.	*22.3	5.55 a.	70.0	20.4
4-----	57.65	11.25 a.	30.5	2.00 p.	*98.0	24.0	55.15	4.45 p.	23.2	3.50 a.	70.0	20.8
5-----	57.10	9.50 p.	30.1	11.30 a.	*98.0	24.5	54.30	3.30 p.	23.3	5.50 a.	73.0	21.0
6-----	58.30	10.30 p.	32.1	2.00 p.	92.0	24.0	55.00	3.45 p.	23.4	5.40 a.	66.0	20.5
7-----	59.70	10.35 p.	32.3	1.00 p.	92.0	22.7	56.50	2.25 p.	23.3	4.15 a.	60.5	20.1
8-----	59.00	0.05 a.	32.2	10.55 a.	92.0	23.5	56.70	3.55 p.	23.2	4.15 a.	63.0	21.0
9-----	58.45	0.05 a.	32.8	1.00 p.	94.0	23.4	56.45	4.05 p.	23.2	5.30 a.	59.0	21.3
10-----	59.05	10.00 p.	32.8	2.00 p.	94.0	24.8	56.40	2.40 p.	22.7	5.55 a.	63.0	22.1
11-----	*60.45	11.10 p.	*35.9	1.55 p.	94.0	25.1	56.50	2.10 p.	22.9	5.30 a.	*47.0	*19.2
12-----	60.00	10.45 p.	34.5	4.20 p.	95.0	25.0	57.10	4.20 p.	23.3	5.55 a.	59.0	21.4
13-----	59.25	0.05 a.	33.0	3.15 p.	90.0	24.4	56.80	3.15 p.	23.7	5.35 a.	64.0	21.3
14-----	58.85	10.15 p.	35.1	3.55 p.	91.0	24.1	56.00	2.35 p.	23.8	5.10 a.	51.0	20.8
15-----	58.80	9.30 a.	32.7	2.00 p.	93.0	24.8	55.90	3.45 p.	24.3	3.30 a.	62.0	22.4
16-----	59.15	8.40 p.	32.4	1.00 p.	95.0	23.9	57.00	2.45 p.	23.7	5.50 a.	59.0	21.0
17-----	59.35	10.25 p.	29.8	11.40 a.	97.0	24.1	56.10	4.35 p.	23.2	10.00 p.	74.0	21.3
18-----	59.15	10.30 p.	30.0	1.00 p.	*98.0	*22.6	57.05	3.25 p.	22.7	7.05 a.	69.0	20.6
19-----	58.80	10.35 p.	30.3	0.55 p.	97.0	24.2	56.37	3.00 p.	*22.3	5.30 a.	70.0	20.9
20-----	59.05	11.05 p.	30.8	12 m. d.	95.0	24.5	56.70	3.25 p.	24.1	5.30 a.	71.0	22.4
21-----	59.75	10.20 p.	31.7	1.10 p.	97.0	24.6	57.45	3.50 p.	24.0	5.55 a.	63.0	21.4
22-----	59.65	7.00 a.	30.9	3.00 p.	91.0	23.9	57.22	5.00 p.	24.4	5.55 a.	70.0	22.4
23-----	58.70	0.05 a.	31.1	10.50 a.	95.0	24.1	56.55	3.55 p.	23.8	5.50 a.	68.5	22.0
24-----	58.85	11.05 p.	31.0	3.00 p.	97.0	25.0	56.85	4.00 p.	23.9	5.30 a.	72.0	22.3
25-----	59.60	10.10 p.	31.6	2.00 p.	94.0	25.3	*57.50	4.05 p.	23.3	4.50 a.	72.0	22.4
26-----	59.45	0.05 a.	32.5	2.50 p.	96.0	*25.9	57.25	3.20 p.	23.9	5.45 a.	64.0	*22.8
27-----	59.00	0.05 a.	32.6	2.00 p.	94.0	25.3	55.34	4.00 p.	23.8	6.10 a.	66.0	21.7
28-----	57.55	0.05 a.	32.7	2.00 p.	92.0	24.3	54.37	4.00 p.	24.3	5.50 a.	64.0	22.1
29-----	57.50	10.10 p.	31.7	2.00 p.	95.0	24.0	55.15	4.00 p.	23.9	5.45 a.	67.0	21.9
30-----	58.90	10.05 p.	31.2	1.00 p.	*86.0	24.9	56.10	2.50 a.	*26.0	6.00 a.	70.0	21.8
Mean	58.81		31.8		94.5	24.2	56.04		23.5		65.9	21.4

GENERAL REMARKS.

Day.	Remarks.	Day.	Remarks.
1----	Veil of cirrus; thunderstorm in the fourth quadrant and continuous rain in the locality.	16---	Convergence of cirro-stratus to the SSE. in the morning; thunderstorm in the first quadrant running in the fourth at night.
2----	Drizzle with gusty wind from the third quadrant.	17---	Continuous rain at night.
3----	Light thunderstorm in the first quadrant in the afternoon.	20---	Some rain; gusty winds from WSW. of 15, 18 and 20 m. p. s.
4----	Thunderstorm in the first quadrant.	21---	Thunderstorm in the first and second quadrants in the early morning and in the afternoon.
5----	Veil of cirrus with sun's halo; shower from southward at noon.	22---	Rain in the early morning.
6----	Thunderstorm to the ENE.	23---	Bands of cirrus from NE. to SW. in the morning.
7----	Filaments of cirrus convergent to the NE.	26---	Thunderstorm in the first quadrant in the afternoon.
8----	Bands of cirro-stratus from NE. by N. to the SW. by S. in the morning.	27---	Veil of cirrus with bands convergent to eastward in the afternoon; thunderstorm in the first quadrant at night.
10----	Thunderstorm in different points at night.	28---	Filaments of cirrus convergent to the NE. by E. in the afternoon.
11----	Thunderstorm in the first and third quadrants in the afternoon and in the first and second quadrants at night.	29---	Convergence of cirrus to the E. in the morning; lightning to the first quadrant at night.
13----	Rain in the first and fourth quadrants in the morning.	30---	Veil of cirrus with solar halo; shower from WSW. in the morning.
14----	Thunderstorm in the first quadrant in the afternoon and in different points at night.		

GENERAL APPEARANCE OF THE SKY.

	Clear.	Cloudy.	Variable.
Early morning -----	4	10	16
Morning -----	4	10	16
Afternoon -----	1	15	14
Evening -----	6	13	11

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REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

ATMOSPHERIC PRESSURE, 700mm +.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	57.90	57.65	57.60	57.70	57.67	57.98	58.48	*58.82	58.76	58.68	58.56	58.37
2	57.65	57.20	56.90	56.95	57.12	57.63	58.08	58.10	58.32	58.04	57.88	57.47
3	58.10	58.00	57.85	57.80	58.09	58.58	59.06	59.27	59.49	59.39	59.06	58.67
4	59.00	58.90	58.65	58.60	58.83	59.28	59.56	59.78	60.02	*60.05	59.83	59.54
5	59.05	59.00	58.95	59.00	59.27	59.71	59.79	60.16	*60.17	60.12	59.91	59.65
6	59.55	59.45	58.95	58.70	58.90	59.04	59.37	*59.58	59.56	59.36	59.22	58.57
7	58.15	58.00	57.75	57.65	57.87	58.21	58.34	58.27	*58.59	58.56	58.11	57.53
8	56.35	56.25	55.95	55.95	56.24	56.25	56.25	56.40	*56.56	56.37	56.01	56.05
9	55.05	54.85	54.70	54.80	54.92	55.12	55.23	*55.45	55.31	55.13	54.84	54.64
10	54.65	54.75	*54.50	54.65	54.59	54.87	54.99	55.29	55.47	55.62	55.14	54.90
11	56.25	56.15	56.05	55.85	*55.56	56.05	56.57	56.92	56.96	56.80	56.46	56.28
12	57.45	57.30	57.10	57.10	57.59	58.25	58.16	58.26	58.34	58.46	58.22	58.04
13	58.10	58.15	58.15	58.00	57.79	57.97	58.38	58.51	58.28	57.83	57.46	57.35
14	*57.35	56.40	56.25	56.40	56.51	56.57	56.70	56.66	56.39	56.29	56.19	56.06
15	55.70	55.15	*54.75	54.95	55.11	55.64	55.91	55.90	55.98	56.09	56.18	55.72
16	56.70	56.45	56.50	56.70	57.17	57.30	57.53	57.49	57.61	57.69	57.53	57.13
17	59.35	59.05	58.80	58.80	58.74	58.69	58.91	59.34	59.67	59.68	59.46	59.19
18	59.85	59.60	59.35	59.55	59.69	59.56	59.81	59.64	59.86	59.72	59.49	59.36
19	59.00	58.85	58.85	58.55	58.58	59.00	59.36	59.61	59.66	59.65	59.62	59.43
20	59.25	58.80	58.45	58.55	58.50	59.04	59.29	59.60	59.74	60.07	59.40	58.98
21	59.50	59.15	58.70	58.50	58.56	58.93	59.61	60.06	*60.10	59.75	59.10	58.74
22	*58.45	57.80	57.55	57.40	57.50	57.71	57.81	57.96	58.22	58.05	57.84	57.43
23	57.00	56.65	56.20	56.10	56.25	56.42	56.80	56.79	56.78	57.00	57.21	57.27
24	*56.45	56.00	55.90	55.70	55.33	55.66	56.23	56.26	56.26	56.28	56.06	55.70
25	*53.80	52.80	52.90	52.85	52.67	52.82	53.11	53.36	53.51	52.96	52.35	51.50
26	48.65	48.00	47.90	47.60	47.49	47.41	47.38	47.55	47.45	47.45	47.45	47.00
27	48.45	48.50	*48.30	48.75	48.80	49.14	49.74	50.01	50.63	50.89	51.02	50.33
28	53.85	53.45	53.35	*53.10	53.62	54.16	54.87	55.33	55.63	55.75	55.58	55.47
29	57.10	56.70	56.70	56.75	56.84	57.11	57.57	57.93	*58.25	57.83	57.84	57.82
30	57.15	56.80	56.90	56.60	56.50	56.75	57.18	56.95	*57.55	57.45	57.38	57.04
31	55.50	55.00	54.65	54.60	54.87	55.02	55.37	55.49	55.40	*55.81	55.38	54.88
Mean	56.79	56.48	56.29	56.26	56.36	56.64	56.95	57.12	57.24	57.19	56.96	56.65

TEMPERATURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	28.1	27.4	27.1	26.5	25.9	26.3	26.5	28.6	30.1	30.9	30.6	31.4
2	25.6	25.6	25.6	25.6	25.6	*25.4	26.9	28.9	29.8	30.2	31.1	32.1
3	26.2	25.7	25.5	25.3	*24.9	25.0	26.3	28.8	30.4	30.6	31.1	31.9
4	27.4	27.2	26.7	26.5	*26.4	26.5	26.7	28.7	31.5	31.2	31.6	32.8
5	26.5	26.6	26.5	25.3	25.2	*24.9	27.1	28.6	30.1	32.1	32.7	32.2
6	25.9	25.7	25.1	24.8	24.4	*24.3	27.2	29.9	30.4	31.7	31.6	32.2
7	26.5	26.4	26.0	25.6	25.4	25.4	*24.9	25.4	27.1	29.3	30.6	30.3
8	25.8	25.4	25.4	25.3	25.1	24.9	25.2	25.7	25.4	25.4	26.3	*26.7
9	24.6	24.5	24.4	24.4	*24.3	*24.3	25.0	26.5	28.8	30.4	30.9	31.0
10	26.0	25.7	25.6	25.3	25.0	25.0	26.3	27.1	27.9	28.9	*29.7	28.2
11	24.8	24.8	24.6	24.5	24.5	*24.4	25.1	26.3	26.6	27.9	28.9	29.6
12	25.3	25.3	25.2	*25.1	25.2	25.5	26.2	27.4	29.1	30.1	30.6	31.3
13	25.1	25.0	24.6	24.3	24.3	*24.1	24.5	25.5	27.2	28.0	29.2	29.9
14	*24.4	*24.4	24.5	24.6	24.7	24.8	25.0	25.9	*26.6	26.5	26.1	25.0
15	25.2	25.5	25.6	25.7	25.5	25.6	25.6	27.0	28.2	28.8	29.3	29.8
16	24.4	24.3	24.4	24.3	24.3	*24.0	25.0	27.8	29.3	29.9	30.4	31.3
17	24.8	24.6	24.2	24.1	*24.0	24.4	24.8	25.7	27.2	28.4	29.3	29.6
18	25.0	24.6	24.4	*24.3	24.6	*24.3	24.5	26.8	28.3	29.7	*30.9	30.5
19	24.9	24.2	23.9	23.7	*23.2	23.4	26.0	27.7	28.9	29.1	30.0	31.4
20	25.4	25.4	25.4	25.5	25.2	24.8	25.2	27.1	28.8	29.4	29.9	30.4
21	24.0	*23.9	*23.9	*23.9	*23.9	*23.9	*23.9	24.2	24.6	24.7	25.1	26.3
22	24.3	24.0	23.8	23.7	23.5	*23.4	24.4	26.1	27.9	28.9	*29.9	*29.9
23	25.8	24.7	24.4	*24.3	24.4	25.6	26.7	26.8	28.3	27.4	28.0	26.3
24	26.4	25.8	26.3	25.7	24.7	*24.3	24.6	25.3	27.5	*27.6	27.3	26.9
25	26.9	26.9	27.2	27.2	27.2	26.8	27.3	27.4	27.4	27.6	*25.5	26.6
26	26.1	26.1	26.0	25.3	25.8	25.9	26.4	25.2	25.3	*24.5	25.6	25.8
27	27.8	27.6	27.1	27.0	26.6	26.8	*25.9	28.2	26.5	28.8	29.6	29.7
28	26.2	25.7	*25.6	25.8	25.8	26.2	26.1	26.9	28.8	27.2	29.4	28.8
29	27.4	27.1	26.1	25.6	25.0	*24.8	25.9	28.8	28.3	30.2	30.9	30.4
30	25.4	25.3	25.3	25.2	25.1	25.1	25.2	25.8	25.7	25.4	26.6	27.2
31	24.5	*24.4	25.1	25.5	26.0	26.1	26.1	26.1	27.2	27.3	27.7	28.1
Mean	25.7	25.5	25.3	25.2	*25.0	*25.0	25.7	27.0	28.0	28.6	29.2	29.5

OBSERVATIONS FOR JULY, 1902.

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ATMOSPHERIC PRESSURE, 700mm +.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
57.58	*56.90	56.95	57.06	57.44	57.93	58.12	58.47	58.54	58.80	58.75	58.30	58.04
56.98	56.44	*56.09	56.31	56.27	56.42	57.26	57.89	58.24	*58.80	58.75	58.35	57.46
58.07	57.62	57.51	57.45	*57.41	57.70	58.10	58.61	59.00	59.30	*59.60	59.35	58.46
59.06	58.62	58.12	*57.87	57.90	58.48	58.92	59.44	59.59	59.80	59.45	59.35	59.11
58.90	58.02	57.85	57.66	*57.63	57.80	58.22	58.82	59.18	59.40	59.50	59.45	59.05
57.91	57.37	57.07	*56.64	56.92	57.56	58.10	58.36	58.44	58.55	58.45	58.20	58.49
56.56	56.42	56.12	*56.02	56.13	56.39	56.73	57.31	57.58	57.85	57.90	57.30	57.47
55.71	55.39	55.05	*54.83	54.85	55.00	55.24	55.62	55.74	55.75	55.70	55.30	55.78
54.23	54.27	*53.86	54.01	54.02	54.13	54.74	54.94	55.16	55.30	55.30	54.85	54.79
54.76	54.82	54.85	54.56	54.60	55.00	55.51	56.12	56.51	*56.90	56.75	56.70	55.27
56.36	55.98	55.77	55.90	56.17	56.78	57.02	57.31	57.81	*57.85	57.40	57.45	56.57
57.61	57.11	*56.62	57.05	57.63	58.15	58.79	59.03	59.34	59.75	*59.80	59.00	58.09
57.61	57.19	57.06	56.29	*56.26	56.64	57.42	58.11	58.44	58.00	*58.55	58.50	57.75
55.76	55.18	54.82	*54.65	54.76	54.87	55.17	55.43	55.67	56.40	56.15	55.70	55.93
55.42	55.23	55.54	*55.39	55.91	56.14	56.56	56.97	57.19	*57.55	57.50	57.25	55.99
56.88	56.73	*56.33	56.38	56.52	57.18	57.39	58.09	58.83	59.55	*59.80	*59.80	57.47
58.97	58.28	58.25	*57.98	58.01	58.38	58.83	59.30	59.75	*60.25	60.20	60.15	59.08
58.99	58.53	58.22	*57.94	58.08	58.23	58.78	58.99	59.29	59.90	*60.05	59.65	59.26
58.93	58.43	57.96	*57.74	57.88	58.18	58.79	59.31	59.53	60.10	*60.20	59.75	59.04
*58.31	59.20	58.98	58.78	58.91	59.38	59.76	60.24	60.58	*60.85	60.75	60.25	*59.40
58.45	57.82	*57.20	57.31	57.54	57.89	58.16	58.63	59.10	59.35	59.55	59.15	58.79
56.61	56.21	56.14	*55.92	56.01	56.42	56.76	57.18	57.66	58.30	58.00	57.50	57.35
*57.35	56.53	*55.56	55.70	55.64	56.08	56.49	57.90	56.99	57.15	57.05	57.00	56.62
55.82	55.47	54.98	54.45	54.47	*54.38	54.78	55.10	55.45	55.60	55.35	54.75	55.52
50.90	50.35	50.11	49.75	49.58	49.68	49.84	49.84	50.04	50.00	49.75	49.25	51.40
47.19	46.68	*46.65	46.88	47.19	47.70	47.63	48.56	48.99	49.00	*49.10	48.75	*47.74
50.69	50.66	50.55	50.70	50.91	51.10	51.92	52.66	53.10	53.35	53.55	*53.60	50.72
55.41	55.06	55.49	55.38	55.48	55.89	56.45	56.94	57.37	57.80	*57.90	57.50	55.45
57.09	56.27	*55.72	55.82	56.22	56.48	56.99	57.96	57.83	58.05	58.10	57.65	57.19
56.30	55.91	55.29	*54.76	55.08	55.47	55.94	56.25	56.35	56.60	56.35	55.75	56.43
54.46	53.75	53.65	*53.20	53.25	53.34	53.97	54.11	54.40	54.40	54.30	54.25	54.54
56.29	55.89	55.62	*55.50	55.63	55.96	56.40	56.85	57.15	*57.43	57.40	57.09	56.59

TEMPERATURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
31.6	*32.0	31.6	30.3	29.6	29.1	26.3	25.7	25.7	25.7	*25.6	*25.6	28.3
32.3	32.2	*32.4	32.2	31.2	30.1	29.9	27.0	26.7	26.6	26.7	26.8	28.6
*32.3	32.0	31.9	32.1	31.6	30.7	30.1	30.0	28.5	28.2	28.0	27.7	29.0
*33.9	32.3	32.9	30.2	30.5	30.0	29.7	28.9	28.1	27.0	27.0	26.9	*29.2
32.8	*33.6	30.5	32.8	30.7	31.2	30.0	29.1	28.2	27.0	26.6	26.4	29.0
32.1	33.3	32.8	29.6	30.9	30.9	29.8	28.6	27.9	27.7	27.2	26.7	28.8
31.3	31.7	*32.2	32.1	28.4	29.1	28.4	28.4	28.4	28.2	27.2	26.3	28.1
25.3	26.2	26.4	25.7	25.7	25.7	25.4	25.4	25.0	24.8	24.7	*24.6	25.5
31.1	*31.4	31.1	29.6	29.8	28.7	27.8	27.1	26.7	26.5	26.4	26.1	27.6
28.3	25.1	*24.2	24.4	24.4	24.5	24.9	24.8	24.8	24.8	24.6	24.8	25.8
30.1	*30.2	29.6	28.3	27.7	27.3	26.9	26.7	26.4	26.0	25.2	25.2	26.7
*33.2	*33.2	30.9	30.6	26.1	26.5	26.1	25.7	25.6	25.6	25.6	25.5	27.5
30.6	30.3	30.3	30.3	*30.8	29.7	27.8	26.2	25.6	25.5	25.6	25.0	27.1
24.8	25.4	25.9	26.2	26.2	25.6	25.2	25.0	24.8	24.8	25.3	25.0	*25.3
*30.1	28.8	25.4	26.1	26.2	26.1	25.1	24.8	24.5	*24.3	24.4	24.5	26.3
31.1	31.6	31.1	*31.8	31.1	29.9	29.4	28.9	27.2	26.6	25.9	25.1	27.9
*30.6	30.4	29.3	28.7	29.3	28.4	28.3	27.9	26.7	25.9	25.2	25.1	27.0
30.7	30.1	28.9	29.1	28.4	27.9	27.7	27.6	27.7	26.5	26.0	25.5	27.2
*32.1	31.7	30.8	30.1	29.9	29.3	28.9	28.9	27.8	26.7	26.2	25.9	27.7
*30.7	23.9	24.1	24.1	24.4	24.4	*23.6	23.8	24.1	24.1	24.1	24.1	25.7
26.8	27.6	*28.4	28.3	27.8	27.7	27.2	27.0	26.4	26.3	25.3	24.9	25.7
29.3	28.9	29.2	28.9	28.4	27.7	27.4	27.5	27.2	27.2	26.6	26.3	26.8
25.9	27.5	*28.4	25.7	26.4	27.1	26.1	25.9	26.6	27.0	26.8	26.6	26.4
25.0	25.2	25.8	26.2	24.9	25.7	26.2	26.8	26.9	26.9	26.8	26.9	26.1
*27.8	27.7	27.4	27.7	27.1	26.7	26.1	25.9	25.7	25.6	26.0	26.2	26.8
25.2	25.9	26.1	26.8	27.1	27.3	27.7	*27.8	*27.8	27.7	27.7	*27.8	26.4
*29.9	27.9	28.4	29.3	29.3	28.6	27.0	27.7	26.8	27.6	28.1	28.0	27.9
30.1	*30.6	26.8	28.7	30.2	29.3	28.6	28.3	27.8	27.3	27.2	27.3	27.7
30.7	*31.2	30.7	30.6	30.2	29.0	27.3	26.7	26.6	26.4	25.8	25.5	28.0
27.9	28.7	*28.8	28.7	28.2	28.0	26.6	25.7	*24.6	*24.6	*24.6	*24.6	26.2
*28.3	*28.3	27.9	27.7	27.6	27.2	26.9	27.2	27.3	27.3	27.3	27.1	26.8
*29.7	29.5	29.0	28.8	28.4	28.0	27.4	27.0	26.6	26.3	26.1	25.9	27.2

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

RELATIVE HUMIDITY.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	85.0	89.0	90.0	91.0	93.0	92.0	93.0	85.0	80.0	74.0	72.0	71.0
2	91.0	91.0	92.0	92.0	92.0	*93.0	88.0	83.0	75.0	72.0	69.0	66.0
3	88.0	91.0	93.0	93.0	*95.0	94.0	90.0	76.0	72.0	68.5	69.0	68.0
4	91.0	91.0	91.0	*92.0	*92.0	*92.0	*92.0	81.0	72.0	69.0	68.0	66.0
5	80.0	80.0	81.0	87.0	90.0	*92.0	84.0	76.0	69.0	63.0	62.0	69.0
6	81.0	83.0	87.0	88.0	*91.0	90.0	81.0	69.0	64.5	64.0	65.0	61.0
7	83.0	84.0	86.0	89.0	90.0	90.0	*94.0	90.0	79.0	70.0	68.0	69.0
8	88.0	91.0	91.0	92.0	93.0	94.0	93.0	88.0	92.0	93.0	89.0	88.0
9	97.0	*98.0	97.0	97.0	97.0	97.0	95.0	90.0	75.5	70.0	67.0	*61.0
10	89.0	91.0	91.0	93.0	94.0	95.0	90.0	86.0	87.0	81.0	*75.0	81.0
11	95.0	96.0	97.0	97.0	*98.0	96.0	92.0	92.0	88.0	82.0	76.0	72.0
12	91.0	93.0	*94.0	*94.0	93.0	91.0	85.0	81.0	72.0	71.0	65.0	61.0
13	92.0	92.0	94.0	*95.0	94.0	93.0	92.0	87.0	82.0	81.0	74.0	69.0
14	93.0	95.0	94.0	94.0	95.0	96.0	94.0	89.0	*86.0	*86.0	*86.0	95.0
15	90.0	88.0	87.0	86.0	87.0	85.0	89.0	80.5	75.0	72.0	73.0	*70.0
16	*97.0	*97.0	91.0	94.0	93.0	94.0	91.0	76.0	70.0	67.0	71.0	*65.0
17	86.0	87.0	89.0	89.0	88.0	87.0	91.0	87.0	78.0	74.0	72.0	72.0
18	92.0	93.0	93.0	93.0	92.0	*95.0	94.0	85.0	74.5	71.0	*63.0	65.0
19	92.0	*95.0	*95.0	94.0	94.0	93.0	83.0	81.0	78.0	77.0	72.0	*63.0
20	90.0	89.0	90.0	90.0	91.0	92.0	92.5	82.0	76.0	76.0	73.0	*72.0
21	96.0	*97.0	*97.0	*97.0	*97.0	*97.0	*97.0	*97.0	95.0	95.0	91.0	86.0
22	97.0	95.0	96.0	97.0	97.0	*98.0	96.0	89.0	81.0	77.0	*73.0	*73.0
23	88.0	91.0	92.0	94.0	*95.0	91.0	86.0	86.0	*80.0	85.0	81.0	85.0
24	89.0	87.0	85.0	90.0	*96.0	*96.0	*96.0	93.0	*81.0	83.0	84.0	87.0
25	85.0	86.0	85.0	85.0	85.0	88.0	87.0	86.0	84.0	83.0	93.0	90.0
26	92.0	91.0	89.0	94.0	91.0	90.0	84.0	94.0	93.0	*95.0	93.0	93.0
27	73.5	75.0	78.0	80.5	83.0	81.0	*91.0	77.0	89.0	77.0	78.0	75.0
28	*88.0	*88.0	*88.0	85.0	*88.0	85.0	85.0	82.0	76.0	82.0	74.5	80.0
29	87.0	86.0	89.0	89.0	91.0	92.0	87.0	78.0	80.0	74.0	*72.0	77.0
30	95.0	96.0	96.0	97.0	*98.0	*98.0	*98.0	94.0	96.0	93.0	89.0	82.0
31	93.0	93.0	*94.0	92.0	90.0	91.0	88.0	88.0	86.0	82.0	81.5	78.0
Mean	89.5	90.3	90.7	91.6	*92.4	92.2	90.3	84.8	80.2	77.7	75.5	74.5

VAPOR PRESSURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.1	24.1	23.9	23.4	23.0	23.3	23.9	24.7	*25.2	24.5	23.6	24.2
2	22.1	22.1	22.4	22.4	22.4	22.5	23.2	24.5	23.2	23.0	23.1	23.5
3	22.2	22.3	22.4	22.3	22.2	*22.1	22.9	22.4	23.1	22.3	23.3	23.9
4	24.5	24.5	23.7	23.7	23.5	23.7	24.0	23.7	24.6	23.5	23.6	24.4
5	*20.6	*20.6	20.8	20.8	21.4	21.4	22.4	22.1	21.8	22.5	22.7	*24.8
6	*20.2	20.4	20.5	20.5	20.6	20.3	21.8	21.5	20.8	22.3	22.4	22.0
7	21.4	21.5	21.5	21.8	21.7	21.7	22.0	21.7	*21.1	*21.1	22.1	22.1
8	21.9	21.9	21.9	21.9	22.1	22.0	22.2	*21.7	22.1	22.3	22.6	22.9
9	22.2	22.5	22.2	21.9	21.8	21.8	22.4	23.3	22.3	22.7	22.2	20.4
10	22.3	22.3	22.1	22.2	22.1	22.4	22.8	22.8	*24.2	24.0	23.1	23.0
11	22.1	22.3	22.2	22.3	22.4	21.7	21.7	23.3	22.7	23.0	22.5	22.2
12	21.8	22.3	22.4	22.3	22.2	22.0	21.6	22.1	21.6	22.6	21.3	*20.9
13	21.7	21.6	21.6	21.4	21.2	*20.8	21.1	21.0	21.9	22.7	22.2	21.5
14	*21.2	21.6	21.5	21.6	21.9	22.3	22.1	22.2	22.3	22.2	21.7	22.4
15	21.4	21.3	21.2	21.1	21.0	*20.8	21.8	21.3	21.3	21.2	22.1	21.8
16	21.9	21.8	20.8	21.2	21.0	20.8	21.3	21.0	21.1	20.9	22.8	22.1
17	19.9	19.9	19.9	19.8	*19.5	19.8	21.1	21.3	21.0	21.2	21.7	22.3
18	21.6	21.4	21.2	21.0	21.1	21.4	21.5	22.2	21.3	21.9	*20.9	21.1
19	21.6	21.3	20.9	20.5	*19.9	*19.9	20.8	22.3	23.2	23.1	22.8	21.5
20	21.7	21.5	21.7	21.8	21.6	21.5	22.0	21.8	22.4	23.3	23.0	23.3
21	*21.2	21.3	21.3	21.3	21.3	21.5	21.5	21.7	21.8	21.9	21.5	21.9
22	21.8	21.0	*20.9	21.0	21.0	21.0	21.7	22.5	22.6	22.8	22.7	22.7
23	21.6	*21.0	*21.0	21.2	21.6	22.1	22.5	22.6	22.7	23.0	22.7	21.6
24	22.7	21.5	21.6	22.2	22.2	21.6	22.1	22.2	22.2	22.8	22.5	22.9
25	22.4	22.8	22.8	22.8	22.8	23.0	23.4	23.3	22.9	22.8	22.4	23.1
26	23.0	22.9	22.3	22.6	22.4	22.4	21.5	22.4	22.3	21.7	22.8	*23.1
27	*20.4	20.5	20.8	21.3	21.5	21.2	22.6	21.7	22.8	22.6	*24.0	23.1
28	22.2	21.5	21.4	*21.1	21.6	21.6	21.4	21.6	22.4	21.9	22.6	23.7
29	23.7	22.9	22.5	21.8	*21.4	21.5	21.6	23.1	22.7	23.7	23.9	*24.8
30	22.9	23.0	23.0	23.0	23.1	23.1	23.2	23.2	23.5	22.5	23.0	21.9
31	21.3	21.2	22.3	22.2	22.5	22.9	22.1	22.1	23.0	22.1	22.4	22.0
Mean	21.9	21.8	21.8	21.8	*21.7	*21.7	22.1	22.4	22.5	22.5	22.6	22.6

OBSERVATIONS FOR JULY, 1902.

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RELATIVE HUMIDITY.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
*67.0	70.0	69.0	75.0	78.0	78.0	90.0	92.0	93.0	93.0	*95.0	91.0	83.6
*57.0	61.0	69.0	69.0	71.0	75.0	77.0	85.0	86.0	86.0	84.0	83.0	79.5
66.0	65.5	*65.0	66.0	67.0	73.0	76.0	77.0	88.0	88.0	87.0	89.0	79.4
*63.0	69.0	65.0	78.0	69.0	75.0	74.0	77.0	79.0	83.0	83.0	83.0	79.0
*60.0	63.0	76.0	66.0	75.0	72.0	79.0	78.0	77.0	80.0	83.0	84.0	76.1
64.0	*60.0	62.5	76.0	68.0	67.0	73.0	77.0	76.0	76.0	80.0	83.0	*74.5
*63.0	*63.0	66.0	65.0	82.5	79.0	79.0	82.5	80.0	82.0	81.0	87.0	79.2
94.0	91.0	*87.0	89.0	91.0	91.0	93.0	93.0	94.0	95.0	96.0	*97.0	91.8
*61.0	*61.0	62.0	72.0	74.0	80.0	83.0	85.0	86.0	88.0	88.0	89.0	82.1
83.0	94.0	*97.0	96.0	*97.0	*97.0	96.0	*97.0	*97.0	*97.0	96.0	95.0	91.5
72.0	68.0	*67.0	76.0	87.5	89.0	91.0	89.0	91.0	92.0	92.0	90.0	86.9
*58.0	*58.0	70.0	68.0	89.0	86.0	90.0	91.0	92.0	93.0	93.0	91.0	82.1
67.0	71.0	68.0	67.0	*65.0	69.0	83.0	89.5	90.0	91.0	91.0	88.0	82.7
*97.0	95.0	93.5	91.0	89.5	92.0	93.0	95.0	94.0	94.0	90.0	92.0	*92.5
72.0	80.0	90.0	90.0	92.0	94.0	94.0	94.0	96.0	*97.0	96.0	96.0	86.4
66.0	66.0	68.0	*65.0	67.0	73.0	76.0	80.0	82.0	80.0	85.0	85.0	79.1
*69.0	*69.0	70.0	70.0	73.0	77.0	76.0	76.0	84.0	89.0	*92.0	91.0	80.7
66.0	68.0	77.0	74.0	73.0	76.0	78.0	80.0	79.0	87.0	89.0	93.0	81.3
*63.0	66.0	69.0	74.0	74.0	76.0	79.0	79.0	84.0	86.0	87.0	88.5	80.9
*72.0	96.0	*97.0	*97.0	*97.0	95.0	*97.0	94.0	94.0	95.0	95.0	94.0	89.0
83.0	79.0	*76.0	78.0	77.0	81.0	83.5	85.0	89.0	91.0	92.0	94.0	89.6
76.0	78.0	74.0	76.0	76.0	80.0	81.0	83.0	84.0	81.0	86.0	85.0	84.5
89.0	84.0	*80.0	93.0	86.0	83.0	90.0	92.0	88.0	85.0	86.0	87.0	87.4
91.0	93.0	89.0	91.0	92.0	91.0	87.0	87.0	86.0	85.0	85.0	84.0	88.7
*79.0	81.5	85.0	80.0	87.0	90.0	92.0	93.0	93.0	92.0	*95.0	94.0	87.4
93.0	91.0	90.0	84.0	83.0	83.0	80.0	*76.0	76.5	77.0	*76.0	*76.0	86.9
*71.0	80.0	73.0	73.0	72.0	75.0	86.0	81.0	85.0	82.0	80.0	79.0	79.0
69.0	*67.0	83.0	79.0	75.0	76.0	78.0	77.0	82.0	84.0	87.0	*88.0	81.1
*72.0	*72.0	*72.0	73.0	75.0	82.0	85.0	83.0	86.0	90.0	93.0	*95.0	82.5
*79.0	80.0	83.0	83.0	85.0	85.0	90.0	94.0	94.0	93.0	93.0	93.0	91.0
80.0	78.0	82.0	80.0	*76.0	83.5	86.0	87.0	84.0	84.0	84.0	83.0	85.2
*73.0	74.8	76.6	77.9	79.5	81.4	84.4	85.5	86.8	87.6	88.4	88.6	83.9

VAPOR PRESSURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
23.2	24.7	23.9	24.0	24.0	23.5	22.8	22.5	22.7	22.9	23.2	*22.1	*23.6
*20.7	22.0	*25.1	24.6	24.1	23.9	24.0	22.5	22.3	22.2	21.9	21.8	22.9
23.8	23.1	22.8	23.5	23.2	23.9	24.1	24.2	*25.4	24.9	24.4	24.6	23.3
24.9	*25.0	24.3	*25.0	22.4	23.5	22.9	22.8	22.4	*21.9	22.1	22.0	*23.6
22.2	24.4	24.5	24.4	24.6	24.3	*24.8	23.2	21.7	21.1	21.5	21.5	22.5
22.9	23.0	23.2	*23.4	22.6	22.1	22.6	22.3	21.1	21.1	21.4	21.5	21.7
21.3	21.9	*23.7	23.1	*23.7	*23.7	22.7	*23.7	22.8	23.2	21.6	22.1	22.2
22.6	*23.0	22.3	21.9	22.3	22.3	22.5	22.3	22.1	22.1	22.2	22.2	22.2
*20.3	20.8	21.0	22.3	23.1	*23.5	23.1	22.7	22.5	22.6	22.4	22.5	22.2
23.7	22.3	*21.7	*21.7	22.1	22.3	22.4	22.5	22.5	22.5	22.0	22.1	22.5
22.9	21.8	*20.7	21.8	*24.1	23.9	24.0	23.1	23.3	22.9	21.8	21.4	22.5
21.8	21.8	*23.2	22.1	22.5	22.2	22.6	22.3	22.4	22.5	22.8	22.0	22.1
21.9	22.7	21.7	21.5	21.6	21.5	*23.1	22.6	22.0	22.0	22.1	*20.8	21.8
22.5	22.9	*23.2	23.0	22.6	22.4	22.2	22.4	21.9	21.9	21.5	21.6	22.1
22.9	*23.4	21.7	22.6	23.2	*23.4	22.3	21.9	21.9	21.8	21.7	21.9	21.9
22.3	23.0	22.8	22.8	22.4	22.7	23.3	*23.6	21.9	20.6	21.0	*20.1	21.8
*22.6	22.3	21.1	20.5	22.1	22.3	21.7	21.1	21.9	22.2	21.8	21.5	*21.2
21.7	21.6	*22.8	22.2	21.0	21.2	21.5	21.9	21.9	22.5	22.4	22.4	21.7
22.5	22.9	22.9	*23.5	23.2	23.1	23.4	23.4	*23.5	22.3	22.0	22.0	22.2
*23.5	21.1	21.7	21.7	21.9	21.6	20.9	*20.6	21.0	21.1	21.1	21.0	21.8
21.6	21.5	21.9	22.3	21.4	22.3	22.4	22.5	22.7	*23.2	21.9	22.0	21.8
*22.9	*22.9	22.3	22.5	21.9	22.0	22.1	22.6	22.6	21.8	22.3	21.6	22.0
22.2	23.0	*23.1	22.7	22.0	22.0	22.6	22.8	22.7	22.6	22.4	22.6	22.3
*21.3	22.2	22.0	*23.0	21.6	22.3	22.0	22.8	22.5	22.4	22.2	22.1	22.2
*22.0	22.4	23.0	*22.0	23.1	23.3	23.0	23.0	22.7	22.4	*23.8	23.6	22.9
22.2	22.6	22.7	22.0	22.1	22.4	22.0	*21.0	21.2	21.2	21.1	*21.0	22.1
22.2	22.3	21.0	22.1	21.9	21.7	22.7	22.3	22.2	22.5	22.6	22.1	22.0
22.0	21.7	21.6	23.1	*23.8	23.1	22.7	21.9	22.6	22.8	23.3	*23.8	22.3
23.8	24.3	23.8	23.8	23.8	24.4	22.9	21.5	22.3	22.9	22.8	23.0	23.0
22.2	23.5	*24.3	24.2	24.2	23.9	23.4	23.1	21.6	*21.4	*21.4	*21.4	22.9
22.7	22.3	23.0	22.1	*20.8	22.4	22.5	*23.2	22.5	22.5	22.5	22.3	22.3
22.4	22.7	22.7	*22.8	22.7	*22.8	22.7	22.5	22.3	22.3	22.2	22.0	22.3

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

UPPER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Ci.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
2	Ci. s.	Ci. s.	Ci.	Ci.	Ci.	Ci.
3	Ci.	Ci.	Ci. NE. by E.	Ci.	Ci.	Ci.
4	A. cu.	A. cu. E.	A. cu.	A. cu. E.	A. cu.	A. cu.
5	Ci.	Ci. SE.	Ci.	A. cu.	A. cu.	
6	A. cu.	Ci.	Ci.			
7	Ci. s.	Ci. s.	A. cu. E. by S.	Ci. s.	Ci. s.	Ci. s.
8	Ci. s.	Ci. s.				
9	Ci. s.	Ci. s. SE. by E.	Ci. s. SE.	Ci. s.	Ci. s. SE.	Ci. s.
10	Ci. s.	Ci. s. SE.	Ci. s.	Ci. s.	Ci. s.	
11	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
12	Ci. s.	Ci. s.	Ci. s. N. by W.	Ci. s.	Ci. s.	Ci. s.
13	Ci. s.	A. cu. NE.	Ci. s.	A. cu.	A. cu.	
14	A. cu. ENE.	Ci. s.	Ci. s.	Ci. s.		
15		Ci. s.	Ci. s.	A. cu. SSE.	A. cu. SSE.	Ci. s.
16	Ci. s.	Ci. s. NW.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
17	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
18	Ci. s. NNE.	Ci. s. N. by E.	Ci. s. NNE.	Ci. s.	Ci. s.	Ci. s.
19	Ci.	Ci.	Ci.	Ci.	Ci. s. SE. by E.	Ci.
20	A. cu. E.	A. cu. E.	A. cu. E.	A. cu.	A. cu. NE.	A. cu.
21						
22	Ci. s. E.	Ci. s.	Ci. s. E. by N.	Ci. s.	Ci. s.	Ci. s.
23		Ci. s.	A. cu. WSW.	A. cu.	A. cu.	Ci. s.
24		Ci. NE. by N.				
25	Ci. s.					
26						
27	A. cu. SW.	A. cu. SW.		A. cu. SW. by S.	A. cu. SW. by S.	A. cu.
28	A. cu. SW.				A. cu.	Ci.
29	Ci. cu.	Ci. s.	A. cu.	Ci. cu. NE. by E.		A. cu.
30						
31	A. cu.	Ci. s.	A. cu.	Ci. s.	Ci. s.	Ci. s.

LOWER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Cu. N. W.	Cu.	Cu. WSW.	Cu.	Cu.	Cu.
2	Cu.	Cu.	Cu. SW.	Cu.	Cu.	Cu.
3	Cu.	Cu.	Cu.	Cu.	Cu. NE.	Cu.
4	Fr. N.	Cu. N.	Cu. N.	Cu. N. E. by S.	Cu. N.	Cu. N.
5	Cu.	Cu.	Cu.	Cu.	Cu. N.	Cu. E. by N.
6	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
7	N.	Cu. N. SE.	Cu. N.	Cu. N.	Cu.	N. cf.
8	Cu. N.	N.	N. E.	N. ENE.	Cu. N. ENE.	N.
9	S. cu.	S. cu.	Cu. N. E. by S.	N. cf. E. by S.	N. cf. E. by S.	N. cf.
10	Fr. N. ESE.	Fr. N. SE.	Cu. N. SE.	Cu. N. S.	Cu. N. S.	N.
11	Fr. N. S.	S. cu. S.	N. cf. S.	N. cf. S.	S. cu. SE.	Cu.
12	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
13	S. cu.	Cu. N.	Cu. N.	Cu. N. NE.	Cu. NE.	N. cf. NE.
14	S. cu.	S. cu. ENE.	S. cu. NE. by E.	Fr. N. E. by S.	N.	N.
15	Cu. N. SSE.	Fr. N. SE.	Fr. N.	Cu. N.	Cu. N. SE. by S.	Cu. N.
16	S. cu. S. by E.	Cu. S. by E.	Cu. S.	Cu. S.	Cu. N. S.	Cu. N. S.
17	S. cu.	S. cu.	S. cu. SW. by S.	Cu.	Cu.	Cu.
18	S. cu.	S. cu.	S. cu.	Cu.	Cu.	Cu.
19	Cu.	Cu.	Fr. cu. ENE.	Fr. cu.	Fr. cu. ENE.	Cu. N.
20	Cu.	Cu.	Cu.	Cu. NNW.	Cu.	Cu.
21	N.	N.	N. NW.	N. NW.	N. cf. NW.	S. cu.
22	S. cu.	Cu.	Cu. WSW.	Cu.	Cu.	Cu.
23	Cu. N. WSW.	Cu. N.	Cu. N.	Cu. N. SW. by S.	Cu. N. SW. by S.	N.
24	N. W.	N. cf. W.	N. cf. W.	Fr. N. W.	Fr. N. SW. by W.	N.
25	Cu. N. W. by S.	Cu. N. W. by S.	Cu. N. W. by S.	Cu. N. NW.	N.	Cu. N.
26	N. cf. W.	N. W. by S.	N. SW. by W.	N. WSW.	N. WSW.	N.
27	Fr. N. SW.	Cu. N. SW.	N. SW.	Cu. N. SW.	Cu. N.	Cu. N.
28	Cu. N.	Cu. N. SSW.	S. cu. SW.	N. cf. SW.	Cu.	Cu. N.
29	Cu. SW.	Cu. SW.	Fr. N. SW.	Cu. SW.	Fr. N. SW.	Cu.
30	N. WSW.	Cu. N. WSW.	N. W. by S.	Cu. N. W.	Cu. N.	Cu. N.
31	Cu. N.	Cu.	Cu. N. W.	Cu. N.	Cu. N.	S. cu.

UPPER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Ci. s. N. by E. Ci. Ci. s. A. cu. A. cu. ENE. Ci. s. Ci. s.	Ci. Ci. s. Ci. s. Ci. s. Ci. Ci. s.	A. cu. W. Ci. s. Ci. s. Ci. Ci. s. Ci. s.	A. cu. Ci. s. Ci. s. Ci. Ci. s. Ci. s.	A. cu. SW. by S. Ci. s. Ci. s. Ci. cu. Ci. SE. by S. Ci. s. Ci. s.	Ci. s. Ci. s. Ci. s. Ci. s. Ci. s. Ci. s.
Ci. s. Ci. s.	Ci. s. N. by W. Ci. s.	Ci. s. N. by W. Ci. s.	Ci. s. Ci. s.	A. cu. NE. by E.	Ci. s. Ci. s.
A. cu. Ci. s. Ci. s. Ci. s. Ci. s.	A. cu. SW. by S. A. cu. S. by W. Ci. s. Ci. s.	Ci. s. A. cu. SW. Ci. s. SE.	A. cu. S. A. cu. Ci. s.	Ci. s. Ci. s. A. cu. Ci. s.	Ci. s. Ci. s. Ci. Ci. s.
Ci. s. Ci. cu. E. by N.	A. cu. N. by E. A. cu. WSW. Ci. s.	Ci. s. A. cu. W. by S. A. cu. NNW.	Ci. s. E.	Ci. s. A. cu.	Ci. s. A. cu.
Ci. s.					
A. cu. SW. by S. A. cu. A. cu.	A. cu. W. Ci. cu. E. by N.	A. cu. SW. A. cu. NE.	A. cu. S. by W. A. cu. NE. A. cu.	A. cu. A. cu. A. cu. Ci. s.	A. cu. E. A. cu. A. cu. Ci. s.

LOWER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Cu. N. Cu. Cu. N. Cu. N. N. cf. E. Cu. N. ENE. Cu. N. Cu. N. ENE. Cu. N.	Cu. N. Cu. N. Cu. N. Cu. N. Cu. N. E. by N. Cu. N. ENE. Cu. N.	Cu. N. Cu. N. Cu. Cu. N. N. cf. E. Cu. N. ENE. Cu. N. E. Cu. N. E. by S. N.	Cu. N. Cu. Cu. N. Cu. N. E. by N. Cu. Cu. N. E. by S. Cu. N. N. SSW.	Cu. N. Cu. N. Cu. Cu. Cu. N. E. by S. Fr. N. E. Cu. N. SSW. N.	N. Cu. N. Cu. N. Cu. Cu. N. cf. Cu. N. S. cu. Cu. N. Cu. N.
Fr. N. S. by E. Cu. S. cu. Cu. N. E. by S. Cu. N. N. cf. Cu. SW. Cu. N. Cu. N. Cu. N.	Fr. N. Cu. N. S. cu. Cu. N. E. by S. N. SE. Cu. SW. by S. Cu. N. Cu. N. N.	Fr. N. S. by E. Cu. N. S. cu. E. Cu. N. E. by S. Fr. N. SSE. Cu. N. S. cu. SW. S. cu. Cu. N. N.	N. Cu. N. S. cu. E. Cu. N. S. by E. Cu. S. cu. Cu. N. N. NW. by N.	Fr. N. Cu. N. S. cu. E. Cu. N. S. Cu. Cu. S. cu. Cu. N. Cu. N.	N. Fr. N. S. cu. E. Cu. N. S. Cu. Cu. S. cu. Cu. N. N.
Fr. N. N. Cu. SW. by W. N. cf. SW. by W. Fr. N. SW. Cu. N. WSW. N. WSW. Cu. N. SW. Cu. SW. Cu. N. cf. W. by S. S. cu. W.	S. cu. Cu. SW. by W. N. cf. SW. by S. Fr. N. SW. Fr. N. WSW. N. WSW. Cu. N. SW. Cu. Cu. Cu. N. W. S. cu. W.	Cu. N. Cu. N. cf. SW. by S. Fr. N. SW. by W. Fr. N. NW. N. WSW. Cu. N. SW. Cu. N. SW. Cu. Cu. N. NW. by N. Fr. N.	Cu. N. Cu. SW. by W. N. SW. N. Fr. N. WNW. Fr. N. WSW. Cu. S. cu. Cu. Cu. N. S. cu.	Cu. N. Cu. N. Fr. N. SW. Fr. N. WNW. Fr. N. WSW. Cu. SW. by S. S. cu. S. cu. Fr. N. W. by N. Cu. N.	N. cf. WSW. S. cu. N. N. Fr. N. NW. Fr. N. WSW. Cu. N. S. cu. S. cu. Fr. N. WNW. Cu.

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.
1	Calm.	N. 1.0	Calm.	Calm.	Calm.	Calm.
2	NNW. 0.5	Calm.	Calm.	Calm.	Calm.	Calm.
3	WNW. 1.0	Calm.	Calm.	Calm.	Calm.	ESE. 0.5
4	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
5	SE. 2.0	SE. 2.0	ESE. 1.5	ENE. 1.5	Calm.	NE. 1.5
6	NE. 1.5	NE. 1.0	Calm.	Calm.	NE. 1.5	Calm.
7	Calm.	NNE. 0.5	Calm.	Calm.	Calm.	Calm.
8	NE. 2.0	NNE. 2.0	N. 2.5	NNE. 2.0	NNE. 3.0	N. 2.5
9	N. 1.0	Calm.	NNE. 2.0	NNE. 1.5	NNE. 1.0	NE. 0.5
10	Calm.	Calm.	ENE. 0.5	ENE. 1.0	Calm.	Calm.
11	SE. 2.0	Calm.	E. 1.0	E. 1.0	Calm.	Calm.
12	SSE. 2.0	SE. 1.0	SE. 1.0	Calm.	Calm.	Calm.
13	Calm.	ENE. 1.0	ENE. 1.5	ENE. 1.0	Calm.	NNE. 2.5
14	N. by E. 4.0	N. 8.0	N. 3.5	N. 3.0	NW. 4.0	NNW. 5.0
15	E. 1.5	E. 3.5	E. by S. 2.5	E. by S. 1.0	ESE. 1.0	ESE. 0.5
16	ESE. 0.5	ESE. 0.5	SE. 1.0	S. 8.0	Calm.	Calm.
17	WSW. 3.0	S. 1.5	Calm.	SE. 1.0	ESE. 1.5	SSE. 2.0
18	Calm.	Calm.	E. 1.0	Calm.	S. 1.5	NE. 0.5
19	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
20	Calm.	Calm.	NNE. 1.0	N. 0.5	Calm.	NE. 0.5
21	NNE. 2.0	NNE. 1.5	NNE. 1.0	NNE. 0.5	Calm.	Calm.
22	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
23	SSE. 0.5	SE. 0.5	SSE. 1.0	Calm.	SSE. 1.0	S. by W. 5.0
24	S. 2.0	S. 1.0	WSW. *11.0	S. 3.0	Calm.	Calm.
25	WSW. 6.5	WSW. *13.0	WSW. 8.0	WSW. 11.0	WSW. 11.0	WSW. 8.0
26	WSW. 12.0	W. by S. 7.0	WSW. 8.0	WSW. 13.5	WSW. 9.0	WSW. 1.0
27	SSW. 7.5	SW. by S. 7.0	SSW. 8.0	SSW. 7.0	S. 8.0	SSW. 7.5
28	S. 3.0	SSE. 2.5	SSE. 3.0	SSE. 3.5	SSE. 1.0	SSW. *10.0
29	S. 1.0	SSW. 1.0	SE. 1.0	Calm.	SSE. 1.0	Calm.
30	Calm.	Calm.	Calm.	Calm.	Calm.	ENE. 1.0
31	Calm.	Calm.	SW. 1.0	WSW. 5.0	SW. 3.5	WSW. 6.0
Mean	1.8	1.8	2.0	2.1	*1.5	1.8

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
1	WSW. *6.0	WSW. 4.0	SW. *6.0	SW. 5.5	SSW. 4.5	SW. 5.0
2	W. 2.5	WSW. 4.0	SW. by W. *5.0	WSW. 3.5	SW. by W. *5.0	WSW. *5.0
3	WSW. 2.5	WSW. 3.5	W. 2.5	W. 2.0	WSW. 2.0	WSW. 0.5
4	W. 2.0	Calm.	Calm.	ENE. 3.0	NNE. 2.5	ENE. 1.0
5	ESE. *3.5	SSW. 2.0	WSW. 1.5	Calm.	NE. 2.0	Calm.
6	WSW. 1.0	W. *3.0	Calm.	NNE. 1.0	NE. 2.5	NE. 1.0
7	NW. by N. *6.0	NW. by N. 5.0	Calm.	SW. 0.5	N. 1.0	Calm.
8	NNE. 1.5	NNE. 2.5	N. 2.5	N. *4.5	NNE. 2.0	NNE. 2.0
9	E. by S. 3.0	ESE. 2.5	E. 2.5	SE. 5.0	SE. 3.0	SE. 2.0
10	Calm.	E. *2.5	Calm.	Calm.	E. 2.0	Calm.
11	SE. 3.0	SSE. 3.0	SSE. 3.0	SE. 2.0	SE. 1.0	Calm.
12	SSE. 2.0	SW. 1.0	W. by S. 4.0	WSW. 3.0	SW. by W. *6.0	SSW. 2.0
13	SE. 0.5	Calm.	W. 1.5	W. 3.5	N. 4.0	N. *5.0
14	N. by W. 4.0	NE. 2.5	NNW. 3.0	N. 5.0	N. by E. 6.0	NNE. 3.0
15	SSE. *5.5	SW. 2.0	WSW. 2.0	Calm.	Calm.	Calm.
16	WSW. 2.0	WSW. 3.0	WSW. 3.0	SW. 3.0	SW. 3.5	SSE. 1.0
17	WSW. 2.5	WSW. 7.0	SW. 5.0	WSW. *9.0	WSW. 3.0	WSW. 5.0
18	Calm.	WSW. 2.0	WSW. *7.0	WSW. 3.5	WSW. 5.0	WSW. 2.5
19	Calm.	SW. 2.5	WSW. 3.5	SW. 3.5	SW. 0.5	WSW. *4.5
20	WSW. *5.5	N. 2.0	Calm.	Calm.	Calm.	S. 3.0
21	WNW. 3.0	W. 2.5	WNW. 2.0	WSW. 2.0	WSW. 0.5	WSW. 1.0
22	SW. 6.0	SW. *9.0	WSW. 7.0	WSW. 7.0	WSW. 7.0	WSW. 7.0
23	S. 1.5	S. 1.0	S. 2.0	SSW. 4.0	SW. 8.0	SW. 5.5
24	WSW. 5.5	WSW. 4.5	WSW. 3.5	WSW. 6.5	SW. by W. 6.0	SW. by W. 8.0
25	SW. by W. 6.0	NW. 6.0	W. by S. 8.5	WSW. 3.5	NW. 3.0	NW. 3.0
26	SW. by W. *18.0	SW. by W. 15.5	SW. by W. 13.0	SW. by W. 15.0	SW. by W. 13.0	SW. 13.0
27	SW. 10.0	SSW. 10.0	SSW. *11.0	SSW. 8.0	SSW. 9.0	S. by W. 6.0
28	SSW. 6.0	SW. by W. 8.0	WSW. 9.0	SSW. 2.5	SSW. 1.5	SW. 2.5
29	W. 3.5	WSW. 3.0	W. by S. 6.5	W. by S. 4.0	WSW. 4.0	WSW. 3.0
30	WSW. 3.5	WSW. 1.5	Calm.	WSW. 1.5	WSW. 5.5	W. 3.0
31	WSW. 7.0	WSW. 9.0	WSW. 9.0	WSW. 9.0	WSW. 9.0	WSW. 7.0
Mean	*4.0	*4.0	*4.0	3.9	3.9	3.3

OBSERVATIONS FOR JULY, 1902.

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WIND—DIRECTION AND FORCE IN M. P. S.

7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
Calm.	Calm.	WSW. 1.0	Calm.	Calm.	WSW. 5.0
Calm.	Calm.	NE. 1.0	W. 2.0	WNW. 2.0	W. 3.5
Calm.	ESE. 0.5	W. 2.0	WNW. *5.5	NW. 2.5	W. 3.5
Calm.	Calm.	Calm.	WSW. 2.0	WSW. 1.5	WSW. 2.0
Calm.	NE. 1.5	NE. 1.0	WSW. 3.0	Calm.	Calm.
Calm.	Calm.	WSW. 1.0	WSW. 2.0	WSW. *3.0	WNW. 2.0
E. 3.0	NE. 2.5	NNE. 2.0	NNE. 1.0	ENE. 2.5	NW. by W. 5.0
NNW. 4.0	N. 2.5	Calm.	Calm.	N. 2.0	NNE. 3.5
Calm.	Calm.	ESE. 3.5	ESE. 4.0	ESE. 4.5	ESE. *8.0
SE. 1.0	SE. 1.0	SSE. 2.0	SE. 0.5	ESE. 2.0	SW. 2.0
Calm.	SE. 1.0	SE. 1.0	SE. 1.5	SE. 0.5	SE. *4.0
Calm.	Calm.	ESE. 2.5	ESE. 2.5	ESE. 2.5	ESE. 2.0
NNE. 2.0	Calm.	Calm.	Calm.	Calm.	Calm.
NNW. 6.0	NNW. 7.0	N. by W. 8.0	N. by W. *9.0	N. 5.5	N. 6.5
Calm.	ESE. 3.0	ESE. 3.0	ESE. 4.0	ESE. 2.5	SE. 3.0
SSE. 0.5	SSE. 3.0	SSE. 2.0	S. 2.0	Calm.	SW. 1.5
Calm.	Calm.	S. 0.5	S. 2.0	SW. 2.0	SW. 1.0
Calm.	Calm.	Calm.	Calm.	Calm.	WSW. 1.5
Calm.	Calm.	W. 0.5	W. 2.5	WSW. 1.5	W. 2.5
NE. 0.5	NNE. 1.5	W. 2.5	W. 2.5	W. 1.5	W. 3.0
Calm.	Calm.	Calm.	NNE. 0.5	NE. 1.0	NE. 1.5
Calm.	Calm.	Calm.	SE. 1.0	S. 0.5	WSW. 4.0
WSW. 6.0	S. 1.5	S. 4.0	SSW. 2.0	WSW. 6.5	WSW. *8.5
Calm.	Calm.	WNW. 0.5	Calm.	WSW. 6.0	WSW. 3.5
WSW. 8.5	WSW. 8.0	WSW. 9.0	WSW. 7.0	WNW. 6.0	WSW. 3.0
WSW. 6.0	SW. 7.0	WSW. 15.0	WSW. 12.0	WSW. 9.0	SW. by W. 15.0
SW. 7.0	SSW. 8.5	WSW. 5.5	SSW. 7.0	SSW. 4.0	SW. by S. 5.0
SSW. 6.5	S. by W. 8.5	S. 0.5	SSW. 3.0	SSW. 8.0	SSW. 6.5
SE. 1.5	Calm.	WSW. 1.5	SW. 1.5	WSW. 1.5	WSW. 5.0
Calm.	ESE. 1.0	SW. 2.5	SW. 2.0	Calm.	WSW. 5.0
WSW. 7.5	WSW. 6.5	WSW. 6.5	WSW. 5.5	WSW. 6.0	WSW. 7.0
1.9	2.1	2.5	2.8	2.7	*4.0

7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
NNE. 1.0	ENE. 1.0	Calm.	NNW. 0.5	Calm.	Calm.	1.7
WSW. 2.5	NE. 1.5	Calm.	WNW. 0.5	Calm.	Calm.	1.6
SSW. 2.5	Calm.	ESE. 0.5	SE. 1.5	Calm.	Calm.	1.4
Calm.	N. *5.0	Calm.	E. 1.0	ESE. 1.0	Calm.	0.9
Calm.	E. 1.5	ESE. 1.5	E. 1.0	Calm.	ESE. 1.0	1.2
ENE. 0.5	ENE. 0.5	E. 0.5	ENE. 0.5	Calm.	Calm.	0.9
WSW. 2.0	Calm.	Calm.	Calm.	N. 2.0	NE. 1.5	1.4
NNE. 3.0	NNE. 3.0	NE. 1.5	NNE. 2.0	NNE. 1.5	N. 1.0	2.2
Calm.	SE. 2.0	SE. 1.0	SSE. 1.0	Calm.	Calm.	2.0
Calm.	Calm.	Calm.	Calm.	SE. 1.5	SE. 2.0	*0.8
Calm.	Calm.	ESE. 2.0	E. 1.5	E. by S. *4.0	ESE. 0.5	1.3
Calm.	E. 2.0	Calm.	Calm.	E. 2.5	ENE. 0.5	1.5
ESE. 1.0	ENE. 2.0	NE. 0.5	NE. 3.0	N. 3.5	N. by E. 3.5	1.5
NE. 4.0	NE. 1.5	NE. 1.0	NE. 1.0	NNE. 1.5	NE. 1.5	4.3
Calm.	Calm.	Calm.	ESE. 1.5	ESE. 1.0	ESE. 1.0	1.6
Calm.	Calm.	WSW. *11.0	W. by S. 8.5	WSW. 7.5	WSW. 5.0	2.8
S. 3.5	Calm.	S. 1.0	Calm.	Calm.	Calm.	2.1
Calm.	Calm.	Calm.	SE. 1.0	Calm.	Calm.	1.1
WSW. 4.0	SW. 3.0	Calm.	E. 1.0	N. 1.0	NNE. 1.0	1.3
SE. 1.0	SE. 0.5	Calm.	Calm.	Calm.	Calm.	1.1
SW. *6.0	SSW. 3.0	SW. *6.0	WSW. 3.0	Calm.	E. 1.0	1.6
SW. 4.0	SW. 3.5	W. by S. 8.0	WSW. 8.5	SW. 6.5	S. 1.0	3.3
N. 1.0	S. 1.5	SW. 5.0	SW. *8.5	SSW. 3.5	S. 2.0	3.3
SW. 7.0	WSW. 8.0	W. by S. 8.0	W. 3.0	WSW. 5.5	WSW. 9.5	4.2
WNW. 4.0	WSW. 3.0	WSW. 7.0	SW. 3.0	W. by S. 7.0	W. by S. 10.0	6.8
SW. 13.0	SW. 9.0	S. 9.0	SSW. 4.5	SSW. 6.5	SSW. 9.5	*10.6
SSW. 8.0	SSW. 7.0	SE. 2.5	SSW. 7.0	SSW. 7.0	S. 1.5	7.0
SSW. 2.0	S. 3.0	Calm.	Calm.	Calm.	SSW. 2.0	3.9
WSW. *10.0	WSW. 9.0	WSW. 6.0	Calm.	Calm.	Calm.	2.7
WNW. *6.5	N. 0.5	NE. 1.0	Calm.	Calm.	NNW. 1.0	1.5
WSW. 7.0	WSW. 9.0	WSW. 10.0	WSW. 9.5	WSW. *12.5	WSW. 10.5	6.8
3.0	2.6	2.7	2.3	2.4	2.1	2.7

WIND—FORCE IN KILOMETERS PER HOUR.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	3.5	2.5	3.5	2.0	4.5	1.5	2.5	2.0	1.0	2.5	10.0	14.0
2	4.0	3.0	3.5	1.5	2.0	2.0	2.5	3.5	5.0	9.5	13.0	13.0
3	3.5	2.0	0.0	0.0	4.0	3.5	3.0	4.0	3.0	11.0	15.5	15.0
4	1.0	2.0	2.5	2.0	2.5	2.0	2.0	0.0	2.0	7.0	9.5	12.5
5	5.0	14.0	12.0	10.5	5.0	5.0	5.0	6.0	7.0	3.5	5.0	4.0
6	7.0	5.0	3.0	1.0	1.0	4.5	2.5	0.5	4.0	5.5	12.5	13.5
7	3.0	4.0	6.0	3.5	2.5	3.5	5.0	12.0	10.0	13.5	8.0	14.5
8	8.0	7.5	9.0	11.0	7.0	15.5	13.0	12.0	10.0	4.0	7.5	9.5
9	5.0	1.5	6.5	6.5	7.5	6.0	7.0	4.0	8.0	19.5	23.5	26.5
10	2.5	2.0	4.0	5.0	4.0	3.5	3.0	6.5	7.0	8.0	12.0	*12.5
11	7.0	3.5	4.0	5.5	3.0	1.0	5.0	5.5	4.0	5.0	10.0	11.5
12	5.0	5.5	4.0	2.5	0.5	1.0	4.5	8.5	13.0	12.0	12.5	13.0
13	2.0	3.0	4.5	4.5	4.5	7.0	7.5	4.5	3.0	2.5	2.0	3.5
14	18.0	19.0	19.0	11.5	12.0	22.0	25.5	26.5	*32.5	28.0	20.5	23.5
15	10.0	12.0	13.5	10.5	8.5	8.5	5.5	14.5	20.5	21.5	18.0	19.0
16	3.0	3.0	3.5	24.0	19.5	4.0	5.5	6.0	8.0	6.5	5.0	5.0
17	16.5	8.5	3.5	5.0	5.5	6.5	6.0	1.0	4.0	10.5	9.5	9.0
18	1.0	4.0	4.0	3.0	11.0	5.0	4.0	2.5	2.0	1.5	3.0	10.5
19	4.0	2.0	3.0	3.5	3.0	3.5	1.0	0.5	4.5	9.0	9.5	7.0
20	5.0	2.5	2.0	3.0	3.5	6.0	4.5	4.5	10.5	10.0	12.0	12.0
21	9.5	6.0	6.0	3.0	3.5	4.0	5.0	1.5	0.5	5.0	5.0	6.5
22	1.0	2.0	1.0	4.5	3.5	3.5	2.0	1.0	0.0	2.5	2.5	6.5
23	6.5	4.5	6.0	4.0	6.5	11.0	21.0	11.5	10.5	13.0	25.0	*39.0
24	7.5	8.0	35.0	17.5	6.5	2.5	4.0	2.0	7.0	7.0	17.5	17.5
25	30.0	36.5	*42.5	40.5	37.5	34.5	33.5	31.0	32.5	30.0	36.5	16.0
26	49.5	40.0	43.5	51.0	38.0	17.5	13.5	24.5	42.5	46.5	49.0	47.0
27	35.5	31.5	26.0	27.5	24.5	29.0	32.5	26.5	*42.0	24.5	23.0	20.0
28	11.5	8.0	11.5	13.5	10.0	16.5	17.5	19.0	18.0	14.0	12.0	18.0
29	9.0	3.0	1.5	2.0	1.0	2.5	3.5	2.0	2.0	3.0	5.5	13.0
30	3.5	0.5	3.0	3.5	4.0	2.5	1.0	2.5	7.0	13.5	3.5	9.0
31	0.5	0.5	2.0	14.5	21.0	21.0	31.5	33.5	26.0	25.5	26.5	36.0
Mean	9.0	*8.0	9.3	9.6	8.6	8.3	9.0	9.0	11.2	12.1	13.7	15.4

AMOUNT OF CLOUDS (0-10).

Day.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	Mean.
1	5	4	7	7	8	6	6	6	6	5	6	10	10	10	10	10	10	7.4
2	7	3	4	3	5	4	4	3	4	3	4	4	6	6	5	5	8	4.6
3	3	3	3	3	3	3	4	5	6	7	8	7	6	4	4	4	10	5.1
4	4	9	8	5	6	5	6	5	7	6	6	5	4	3	4	4	2	5.2
5	3	1	2	2	2	2	6	5	7	4	6	7	5	4	3	2	1	*3.6
6	3	3	3	3	3	2	5	5	4	8	7	7	3	4	2	1	1	3.8
7	8	10	10	10	9	9	9	8	9	10	10	10	10	10	9	8	9	9.3
8	10	10	9	9	10	10	10	10	10	10	10	10	10	10	10	10	8	9.8
9	10	10	9	8	9	9	9	9	9	9	10	10	10	10	10	10	8	9.4
10	10	10	10	10	10	10	10	10	9	10	10	10	9	10	10	10	10	9.9
11	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	9.9
12	7	6	4	4	4	5	7	9	9	9	9	10	10	10	10	10	10	7.8
13	10	8	8	8	8	8	8	8	10	10	10	10	8	9	10	10	10	8.9
14	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	*10.0
15	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	9	8	9.8
16	10	8	7	7	7	7	6	7	8	8	8	8	9	10	9	9	8	8.0
17	10	10	10	10	10	9	8	8	8	8	8	9	9	10	7	7	5	8.6
18	9	8	7	7	7	7	7	7	9	10	10	10	10	7	9	9	8	8.3
19	2	2	1	1	1	3	7	6	5	6	8	10	10	10	4	4	3	4.9
20	10	9	9	9	6	7	7	7	7	10	10	10	10	10	10	9	10	8.8
21	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9	9	10	9.9
22	9	9	7	8	9	8	9	8	7	6	6	6	8	8	9	9	9	7.9
23	8	10	9	5	6	7	8	10	10	10	10	10	10	10	10	10	10	9.0
24	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	9	9.8
25	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	*10.0
26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	*10.0
27	10	10	10	9	10	9	8	9	9	10	10	5	5	9	5	6	9	8.4
28	9	7	5	7	6	7	7	6	8	5	9	8	8	6	2	2	2	6.1
29	3	4	8	9	9	8	10	9	8	6	6	7	8	9	10	10	10	7.9
30	10	10	10	10	10	10	10	10	9	9	9	8	9	10	10	10	10	9.6
31	10	10	10	10	9	10	10	10	10	10	10	10	10	10	10	10	10	9.9
Mean	8.1	7.9	7.7	*7.5	7.6	7.6	8.1	8.1	8.3	8.3	*8.7	*8.7	8.6	*8.7	8.1	8.0	8.0	8.1

OBSERVATIONS FOR JULY, 1902.

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WIND—FORCE IN KILOMETERS PER HOUR.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
16.5	18.0	19.0	24.5	*27.5	24.0	9.5	5.5	5.5	4.0	4.5	5.0	8.9
13.5	16.5	17.0	19.0	21.0	*23.5	17.5	17.0	5.0	1.5	3.5	0.5	9.1
*16.0	14.5	14.0	11.0	15.5	10.5	9.0	6.5	3.5	5.0	5.0	3.0	7.4
13.0	5.5	3.0	11.5	*13.5	5.5	3.5	9.0	10.0	5.0	6.0	3.0	5.6
3.5	6.0	8.0	10.5	*14.5	4.0	2.0	4.5	7.0	6.5	2.5	6.5	6.6
12.0	12.5	6.5	*16.0	9.5	7.5	5.5	4.5	6.0	5.0	3.5	0.5	6.2
*17.5	14.5	12.0	9.0	9.0	4.5	6.0	8.0	1.5	4.0	9.0	7.0	7.8
*17.0	10.0	9.5	13.0	11.0	10.0	11.5	8.5	7.0	7.0	3.5	6.0	9.5
*28.5	24.5	23.5	19.0	13.5	13.0	9.0	8.0	6.0	4.5	3.5	3.5	11.6
6.0	6.0	9.0	2.0	4.0	4.5	3.0	4.5	3.0	2.5	7.0	7.0	*5.4
*15.5	15.0	7.0	10.0	10.0	4.5	4.0	2.0	2.5	6.5	14.0	9.5	6.9
4.0	8.0	17.5	15.5	*22.5	11.5	4.0	6.5	2.5	2.0	3.5	3.0	7.6
2.5	5.0	12.0	10.0	10.5	10.0	10.5	10.0	10.0	6.0	14.0	*21.5	7.1
16.5	22.0	19.0	19.0	19.5	17.5	13.5	10.0	7.0	3.5	6.0	8.5	17.5
20.0	18.5	*22.5	7.5	3.5	6.0	5.5	6.0	4.5	6.5	5.0	4.5	11.3
8.5	7.0	19.5	16.0	16.5	11.5	4.0	3.0	16.5	*44.5	39.0	25.5	12.7
7.0	20.5	21.5	*31.0	23.5	12.5	17.5	9.0	2.0	3.0	2.5	3.0	9.9
11.5	13.5	*20.5	16.0	15.5	14.5	9.0	3.0	2.0	3.0	4.0	1.5	6.9
10.5	14.0	17.0	16.0	13.0	16.0	*17.5	14.5	4.0	4.5	5.0	5.0	7.8
14.0	*20.0	6.5	3.0	3.5	4.0	9.0	5.0	2.0	2.5	2.5	3.5	6.3
9.0	14.0	12.0	9.0	7.5	6.5	20.0	*27.5	22.5	23.5	6.5	5.0	9.1
15.5	31.0	*33.0	32.5	31.5	24.0	24.0	18.5	18.5	25.0	21.0	11.0	13.1
22.5	7.5	4.0	15.5	34.5	30.0	19.5	10.0	11.0	29.5	23.5	12.0	15.8
22.5	27.5	23.5	25.5	22.5	*38.0	33.0	31.0	33.0	17.5	14.5	25.0	18.6
23.0	31.0	29.0	12.0	22.0	17.0	12.5	16.5	25.0	30.5	22.5	35.5	28.2
58.5	55.0	59.5	60.0	*61.0	47.0	36.0	33.0	30.0	28.0	29.0	33.0	*41.4
24.0	30.5	32.0	26.5	26.0	25.0	29.5	25.5	12.5	15.0	24.5	18.5	26.3
21.5	22.0	*27.0	21.5	7.0	12.0	10.0	10.5	7.0	0.5	0.5	4.5	13.1
21.0	19.0	18.0	21.5	19.0	17.5	13.5	*40.0	24.0	3.5	5.5	1.0	10.5
*18.5	7.0	5.0	6.5	14.0	18.0	18.0	14.5	7.0	4.5	3.0	1.0	7.1
31.5	32.0	38.5	34.0	29.0	29.0	28.5	34.0	37.0	42.5	48.0	*48.5	28.0
16.8	17.7	*18.3	17.5	17.8	15.5	13.4	13.1	10.8	11.2	11.0	10.4	12.4

FREQUENCY OF THE WIND.

Day.	N. NNW.	NW. WNW.	W. WSW.	SW. SSW.	S. SSE.	SE. ESE.	E. ENE.	NE. NNE.	Calm.
1	2		4	4			1	1	12
2	1	2	9					2	10
3		3	8	1		4			8
4	1		4			1	3	1	14
5			2	1		6	3	4	8
6		1	5				4	6	8
7	2	3	1	1			2	5	10
8	8							14	2
9	1					11	1	4	6
10				1	1	6	4		12
11					2	12	3		7
12			3	2	2	6	3		8
13	3		2			2	4	5	8
14	13	1						10	
15			1	1	1	12	2		7
16			7	3	6	3			5
17			6	3	6	2			7
18			6		1	1	1	1	14
19	1		7	4			1	1	10
20	2		5		1	2		4	10
21		2	5	3			1	7	6
22			7	5	2	1			9
23	1		3	8	10	1			1
24		1	14	1	3				5
25		5	18	1					
26			16	7	1				
27			1	20	2	1			
28			2	12	7				3
29			12	2	2	2			6
30	2	1	6		2	1	1	1	10
31			20	2					2
Mean	1.2	*0.6	5.6	2.6	1.6	2.4	1.1	2.1	*6.7

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.
1-----	58.90	7.50 a.	32.0	2.00 p.	95.0	25.2	56.85	1.50 p.	24.2	11.55 p.	67.0	22.1
2-----	58.80	10.00 p.	32.4	3.00 p.	93.0	25.1	56.05	3.20 p.	24.1	6.00 a.	*57.0	20.7
3-----	59.65	10.35 p.	32.3	1.00 p.	95.0	*25.4	57.35	4.50 p.	23.5	5.55 a.	65.0	*22.1
4-----	60.10	9.30 a.	33.9	1.00 p.	92.0	25.0	57.70	4.20 p.	*25.1	5.50 a.	63.0	21.9
5-----	60.20	9.10 a.	*33.9	2.20 p.	92.0	24.8	57.55	3.50 p.	23.7	6.05 a.	60.0	20.6
6-----	59.60	8.40 a.	33.3	2.00 p.	91.0	23.4	56.64	4.00 p.	22.7	6.00 a.	60.0	20.2
7-----	58.70	9.45 a.	32.2	3.10 p.	94.0	23.7	55.95	4.20 p.	23.6	7.40 a.	63.0	21.1
8-----	57.20	0.10 a.	26.7	11.55 a.	97.0	23.0	54.65	4.40 p.	23.1	11.50 p.	*87.0	21.7
9-----	55.45	8.00 a.	31.9	2.10 p.	*98.0	23.5	53.80	3.15 p.	22.8	5.25 a.	61.0	20.3
10-----	56.95	10.15 p.	30.7	11.50 a.	97.0	24.2	54.45	1.45 p.	22.7	3.50 p.	75.0	21.7
11-----	58.00	9.40 p.	30.9	0.55 p.	*98.0	24.1	55.50	4.35 a.	23.1	6.05 a.	67.0	20.7
12-----	59.85	10.15 p.	33.4	2.00 p.	94.0	23.2	56.62	3.00 p.	23.7	4.10 a.	58.0	20.9
13-----	58.90	0.05 a.	31.0	3.55 p.	95.0	23.1	56.00	4.35 p.	22.7	6.45 a.	65.0	20.8
14-----	58.60	0.10 a.	*26.6	9.50 a.	97.0	23.2	54.60	3.35 p.	22.9	1.30 a.	36.0	21.2
15-----	57.65	10.10 p.	31.0	0.50 p.	97.0	23.4	54.70	3.15 a.	22.8	9.50 p.	70.0	20.8
16-----	59.95	11.40 p.	31.9	4.15 p.	97.0	23.6	56.25	3.25 p.	22.6	5.50 a.	65.0	20.1
17-----	60.25	10.00 p.	30.6	1.00 p.	92.0	*22.6	57.98	4.00 p.	22.5	5.00 a.	69.0	*19.5
18-----	60.10	11.05 p.	30.9	11.00 p.	95.0	22.8	57.80	4.15 p.	22.8	6.05 a.	63.0	20.9
19-----	60.25	10.50 p.	32.1	1.00 p.	95.0	23.5	57.65	3.40 p.	*21.9	5.40 a.	63.0	19.9
20-----	*60.90	9.55 p.	30.7	1.00 p.	97.0	23.5	*58.00	1.15 p.	22.0	2.30 p.	72.0	20.6
21-----	60.25	0.05 a.	28.4	3.30 p.	97.0	23.2	57.20	3.00 p.	22.5	2.50 a.	76.0	21.2
22-----	59.10	0.05 a.	30.1	10.50 a.	*98.0	22.9	55.92	4.00 p.	22.2	5.10 a.	73.0	20.9
23-----	57.45	0.05 a.	28.8	9.35 a.	95.0	23.1	55.50	3.25 p.	22.7	3.15 a.	80.0	21.0
24-----	56.95	0.05 a.	27.9	10.40 a.	96.0	23.0	54.30	5.40 p.	22.9	6.10 a.	81.0	21.3
25-----	54.70	0.05 a.	27.8	1.00 p.	95.0	23.8	49.25	12.00 mn.	23.7	10.30 a.	79.0	22.0
26-----	*49.25	0.05 a.	27.9	8.15 p.	95.0	23.1	*46.60	2.05 p.	23.1	4.00 a.	76.0	21.0
27-----	53.80	11.25 p.	30.2	0.55 p.	91.0	24.0	48.30	3.00 a.	24.5	7.10 a.	71.0	20.4
28-----	58.05	10.20 p.	30.8	2.35 p.	*88.0	23.8	53.10	4.00 a.	23.9	3.20 a.	67.0	21.1
29-----	58.55	9.35 p.	31.2	2.00 p.	95.0	24.8	55.60	3.15 p.	23.5	6.10 a.	72.0	21.4
30-----	57.65	9.15 a.	29.0	2.20 p.	*98.0	24.3	54.70	3.25 p.	23.4	10.25 p.	79.0	21.4
31-----	55.85	9.55 a.	28.3	2.00 p.	94.0	23.2	53.15	3.55 p.	22.9	2.00 a.	76.0	20.8
Mean	58.12		30.6		94.9	23.7	55.15		23.2		69.9	21.0

GENERAL REMARKS.

Day.	Remarks.	Day.	Remarks.
1-----	Thunderstorm to the N. in the afternoon.	17---	Gusty wind from WSW. in the afternoon; filaments of cirrus from N. to S. and lightning at night.
2-----	Distant thunderstorm in different points at night.	18---	Cirro-stratus from E. to W. in the morning.
3-----	Thunder in the second quadrant with occasional drizzle in the locality at night.	19---	Cirro-stratus toward the E. in the morning; thunder in the first quadrant in the afternoon.
4-----	Thunderstorm in the first quadrant with passing rain in the afternoon.	20---	Extensive thunderstorm in the eastern part felt in the locality with continuous rain.
5-----	Rain in the afternoon.	21---	Veil of cirrus in the afternoon.
6-----	Drizzle and light rain; convergence of cirrus to the SSE. in the afternoon.	22---	Gusty winds from WSW. and bands of cirro-cumulus and cirro-stratus toward the SE. in the afternoon.
7-----	Drizzle and light rain; thunderstorm in the third quadrant in the afternoon.	23---	Some drizzle and passing showers.
8-----	Drizzle at intervals.	24---	Rain and drizzle all the afternoon.
9-----	Rain in the second quadrant in the afternoon.	25---	Gusty wind from WSW.; drizzle and rain all the night.
10-----	Thunderstorm in the locality with heavy rain.	26---	Squally; some gusts of wind reached 21 and 22 m. p. s.
11-----	Some drizzle.	27---	Gusty wind from SSW. with drizzle and some showers.
12-----	Convergence of cirrus to the N. by E. in the morning; thunderstorm over the locality with showers.	28---	Gusty wind from SSW. with light rain; convergence of cirrus toward the ESE. in the evening.
13-----	Veil of cirrus in the early morning; rain in the locality at night.	29---	Gusts of wind and drizzle at night.
14-----	Gusty wind from the northward with some rain and thunders to the first quadrant.	30---	Drizzle and some rain.
15-----	Light thunderstorm in some points with occasional rain in the locality in the afternoon.	31---	Gusty wind from WSW.; rain in the first quadrant; clouds colored at sunset.
16-----	Convergence of cirrus to the NW. in the morning.		

GENERAL APPEARANCE OF THE SKY.

	Clear.	Cloudy.	Variable.
Early morning	4	22	5
Morning	1	20	10
Afternoon	0	25	6
Evening	4	24	3

OBSERVATIONS FOR JULY, 1902.

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Day.	Total wind velocity (kil. p. h.).	Atmidometer.	Rainfall.	Ozone.		Sunshine.	Bay.	Underground temperature, 8 a. m.			Meteors.
				6 a.	6 p.			25 cm.	50 cm.	1 m.	
1	213.0	6.0	2.6	1.5	2.5	7-10	S	31.3	31.8	30.8	☾ ☉
2	218.0	5.6		1.0	3.0	9-40	S	31.1	*31.9	30.5	☾ ☉
3	178.0	*6.6		1.0	2.0	7-10	L	*31.4	*31.9	30.8	☾ ☉
4	133.5	4.6	1.9	1.0	2.0	8-25	S	31.3	31.8	30.7	☾ ☉
5	157.5	5.1	3.5	2.0	2.5	*10-00	S	31.1	31.8	*30.9	☾ ☉
6	149.0	6.4	*0.3	1.5	2.0	9-40	S				☾ ☉
7	187.5	5.6	0.6	0.5	2.0	4-10	S	30.3	31.3	30.6	☾ ☉
8	228.0	1.9	5.0	1.0	0.5	0-10	L	30.5	31.2	30.8	☾ ☉
9	278.0	5.8		1.0	1.5	6-25	S	29.6	31.1	30.7	☾ ☉
10	*128.5	2.1	*80.7	1.5	0.5	0-25	T	30.1	30.9	30.7	☾ ☉
11	165.5	2.8	0.8	1.0	1.5	0-00	S	28.0	30.1	30.3	☾ ☉
12	182.5	4.0	12.1	1.0	1.0	7-40	S	29.7	30.5	30.7	☾ ☉
13	170.5	3.4	1.8	0.5	1.0	1-25	S	29.6	30.2	30.2	☾ ☉
14	420.0	*1.7	23.3	2.0	0.5	0-00	T	29.3	30.3	30.3	☾ ☉
15	272.0	3.9	2.8	3.0	3.0	1-20	T	28.8	30.0	30.1	☾ ☉
16	304.5	4.4	1.8	1.0	3.0	9-00	S	29.2	30.2	30.3	☾ ☉
17	238.5	5.5	2.1	3.0	3.0	6-25	S	29.4	30.0	30.0	☾ ☉
18	165.5	5.2	2.7	1.0	1.5	5-20	S	29.9	30.6	30.2	☾ ☉
19	187.5	5.2		0.5	1.0	8-00	S	29.9	30.6	30.1	☾ ☉
20	151.0	4.0	35.3	1.5	1.0	3-30	T	30.0	30.5	30.1	☾ ☉
21	218.5	1.9	4.1	0.5	0.5	2-00	S	28.5	30.0	29.9	☾ ☉
22	315.5	5.0		1.5	3.5	8-10	L	29.1	30.1	30.1	☾ ☉
23	378.0	2.1	9.5	5.0	3.0	2-20	M	29.6	30.5	30.1	☾ ☉
24	445.5	2.5	28.4	0.5	1.0	1-05	T	29.0	30.1	30.0	☾ ☉
25	677.5	6.0	13.7	5.5	3.0	0-00	M	28.3	29.7	29.9	☾ ☉
26	*992.5	3.6	33.6	0.5	0.5	0-00	R	27.8	29.2	29.8	☾ ☉
27	632.0	4.5	4.9	3.5	5.0	5-35	M	*27.5	29.1	29.7	☾ ☉
28	313.5	5.4	4.4	4.5	4.0	6-05	T	28.0	*28.9	29.6	☾ ☉
29	251.5	6.3		3.0	3.5	8-10	T	29.0	29.6	29.7	☾ ☉
30	170.5	2.6	13.3	4.0	4.0	0-15	T	29.1	29.4	*29.5	☾ ☉
31	671.0	5.6		4.0	4.5	1-40	M	28.9	29.7	29.6	☾ ☉
Total	9,194.5	135.3	289.2			141-15					
Mean	296.6	4.4	9.3	1.9	2.2	4-33		29.5	30.4	30.2	

ATMOSPHERIC PRESSURE, 700mm +.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	53.55	53.45	*53.35	53.40	53.61	53.68	53.57	54.06	54.46	55.13	54.77	55.02
2-----	56.75	56.70	*56.65	56.70	56.82	57.16	57.95	57.86	58.49	58.08	58.21	58.05
3-----	57.90	57.60	57.40	57.30	57.66	57.96	58.01	58.38	*58.65	58.60	58.41	58.12
4-----	57.35	57.05	56.90	57.00	57.34	57.63	58.05	58.21	*58.49	58.34	58.03	57.81
5-----	56.85	56.75	56.70	56.75	56.92	57.37	57.72	57.83	*57.89	57.62	57.49	57.31
6-----	*56.15	55.90	55.45	55.25	55.17	55.29	55.44	55.61	55.72	55.49	55.44	55.21
7-----	54.50	54.40	*54.30	54.40	54.43	54.78	55.35	55.52	55.71	55.96	55.62	55.33
8-----	56.65	56.50	*56.40	56.65	56.90	57.26	57.45	57.87	57.69	57.87	57.48	57.38
9-----	58.05	57.50	57.35	57.30	57.44	57.50	57.85	58.23	58.27	58.24	58.14	57.68
10-----	58.05	57.60	57.40	57.40	57.44	57.50	57.76	57.93	57.98	57.97	57.81	57.41
11-----	57.90	57.50	*57.25	57.30	57.41	57.70	58.13	58.44	58.59	58.69	58.69	58.40
12-----	58.40	58.25	58.05	58.05	58.30	58.47	59.26	59.53	59.47	59.57	59.17	58.83
13-----	58.50	57.90	57.95	58.05	58.16	58.37	58.85	59.41	*59.50	59.29	58.95	58.57
14-----	*57.55	57.10	56.85	56.30	56.35	56.95	57.40	57.45	57.37	57.25	56.69	56.00
15-----	55.50	55.20	54.80	54.75	54.83	55.20	55.71	55.81	55.83	55.50	54.99	54.72
16-----	56.35	55.70	*55.25	55.45	55.65	55.79	56.04	56.55	56.85	56.97	56.54	56.97
17-----	57.45	57.30	57.15	*57.00	*57.00	57.46	58.14	58.50	58.87	58.86	58.86	58.45
18-----	58.40	57.75	57.45	57.65	57.59	57.95	58.47	58.45	58.54	58.15	58.10	57.40
19-----	57.35	56.90	56.80	56.55	56.36	56.60	57.29	57.56	57.50	*57.59	57.15	57.05
20-----	56.40	56.25	55.95	56.15	56.39	56.70	57.04	57.42	57.51	57.46	57.13	56.48
21-----	57.45	56.90	56.60	*56.55	56.84	57.24	57.65	58.21	58.11	58.13	58.09	57.63
22-----	*58.80	58.30	58.25	58.00	57.80	57.84	58.06	58.32	58.54	58.71	58.51	58.22
23-----	57.60	57.30	57.00	56.70	57.35	57.19	57.45	*57.96	57.89	57.91	57.79	57.34
24-----	56.55	56.10	55.85	56.10	56.25	56.19	56.46	56.85	56.84	56.75	56.99	56.31
25-----	56.55	56.05	55.85	55.90	56.29	56.36	56.69	56.90	57.10	56.91	56.44	55.87
26-----	56.75	56.55	*55.90	55.95	56.11	56.24	56.60	57.25	57.55	57.41	57.30	56.96
27-----	57.20	57.10	*56.60	56.65	57.17	57.76	58.29	59.15	*59.25	58.91	58.74	58.37
28-----	*57.40	56.80	56.55	56.00	55.75	56.21	56.37	56.84	57.11	56.76	56.67	55.91
29-----	54.40	54.20	53.90	*53.65	53.71	53.93	54.33	54.67	55.11	55.11	55.11	54.71
30-----	55.25	54.75	*54.25	54.45	54.88	55.03	55.43	55.76	*56.09	56.04	55.74	55.72
31-----	56.30	56.00	55.70	55.90	56.19	56.24	57.15	57.51	57.55	*57.62	57.47	56.91
Mean	56.90	56.56	56.32	56.30	56.46	56.70	57.10	57.42	57.57	57.51	57.31	56.97

TEMPERATURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	26.2	26.1	26.0	26.5	26.3	26.1	26.3	26.8	*27.3	25.0	25.7	*24.8
2-----	25.2	25.3	25.3	25.1	*24.3	24.5	24.9	27.6	26.7	28.1	28.6	28.9
3-----	25.5	25.2	25.0	24.9	*24.6	25.1	26.9	28.8	29.9	*30.4	30.2	29.9
4-----	26.1	25.6	25.3	*25.1	*25.1	*25.1	25.6	27.4	27.9	28.8	30.1	30.4
5-----	27.9	27.7	27.6	27.5	27.4	27.6	27.7	28.1	29.2	29.4	29.0	29.5
6-----	*27.9	*27.9	*27.9	*27.9	*27.9	*27.9	*27.9	28.3	28.8	28.8	29.3	29.4
7-----	28.2	28.2	28.1	28.1	28.1	28.1	28.3	28.7	29.2	28.9	29.3	*29.4
8-----	27.5	27.3	27.3	27.4	27.4	27.3	27.9	28.5	28.9	28.7	28.9	29.1
9-----	*26.6	27.2	27.2	27.2	27.1	26.9	26.9	28.2	29.6	29.9	27.8	29.3
10-----	27.7	27.6	27.4	27.0	26.3	*25.9	26.6	27.2	29.6	30.3	*30.7	29.8
11-----	27.3	27.0	26.8	26.8	26.7	26.1	26.8	27.3	26.8	28.2	26.7	27.9
12-----	24.7	24.6	24.4	24.3	*24.2	24.3	24.7	27.6	28.9	28.9	29.4	29.9
13-----	25.2	24.7	24.6	24.5	24.5	24.3	*24.1	25.6	26.3	26.4	26.3	26.8
14-----	24.4	*24.3	*24.3	*24.3	*24.3	*24.3	24.4	25.0	26.6	27.8	28.2	28.8
15-----	25.7	25.3	25.2	25.2	25.0	*24.8	25.0	26.6	27.9	29.7	30.6	30.3
16-----	25.0	*24.9	*24.9	25.1	25.1	25.1	25.6	26.2	28.4	30.0	*31.6	30.1
17-----	25.5	25.3	25.2	25.2	25.1	*24.9	25.6	25.6	27.2	28.4	27.8	27.7
18-----	26.3	26.5	26.3	25.7	25.3	25.4	26.1	27.1	26.2	29.1	27.7	29.2
19-----	*24.5	*24.5	25.5	25.6	25.6	25.2	25.0	25.6	27.0	25.4	27.8	28.2
20-----	25.1	24.8	24.3	24.4	*24.1	*24.1	25.1	27.5	29.1	29.2	29.4	29.4
21-----	25.2	25.0	24.9	*24.8	25.0	24.9	25.2	25.0	25.6	27.6	28.9	29.4
22-----	25.1	25.0	24.5	24.2	*23.8	23.9	25.7	26.6	27.7	28.4	28.8	29.7
23-----	25.5	25.4	26.0	26.1	25.5	26.1	26.5	28.4	28.7	29.1	29.3	29.7
24-----	24.5	24.4	24.5	24.6	24.6	24.4	24.9	25.4	26.2	27.3	27.8	28.2
25-----	24.1	24.1	23.9	23.8	*23.7	23.8	24.6	26.9	27.6	27.9	28.4	28.7
26-----	24.6	24.6	24.5	*24.3	24.4	24.4	24.8	25.6	25.7	26.8	27.2	27.3
27-----	25.7	25.7	24.9	24.7	*24.6	*24.6	25.1	*24.6	25.4	25.6	26.0	25.6
28-----	24.9	24.6	24.5	*24.3	*24.3	24.5	24.7	25.2	24.9	26.4	27.5	28.9
29-----	26.0	25.8	26.0	26.1	25.9	25.9	26.1	26.8	26.8	25.7	26.3	27.2
30-----	25.8	26.0	25.6	*25.4	26.0	*25.4	25.9	26.7	26.8	28.4	28.7	28.7
31-----	26.1	26.2	26.1	26.0	25.2	24.9	25.2	*24.4	25.6	25.8	25.4	26.3
Mean	25.8	25.7	25.6	25.6	25.4	*25.3	25.8	26.8	27.5	28.1	28.4	28.7

OBSERVATIONS FOR AUGUST, 1902.

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ATMOSPHERIC PRESSURE, 700mm +.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
54.65	54.60	54.40	54.80	55.01	55.70	55.90	56.50	56.95	57.25	*57.30	*57.30	54.93
57.69	57.59	57.32	56.94	57.10	57.29	57.43	57.93	58.48	*59.15	59.05	58.50	57.66
57.68	57.01	56.77	*56.41	56.58	56.94	57.52	57.99	58.37	58.55	58.35	57.85	57.75
57.34	56.92	56.48	56.33	*56.22	56.49	56.98	57.32	57.73	58.05	58.00	57.15	57.38
56.96	56.43	56.24	*55.64	56.04	56.89	56.76	57.28	57.52	57.30	57.00	56.50	56.99
54.57	54.28	*54.13	54.24	54.34	54.69	54.95	55.06	55.15	55.25	55.20	55.00	55.12
55.32	55.38	55.28	55.08	55.43	55.52	55.87	56.18	56.48	56.70	*57.00	56.75	55.47
56.93	56.92	56.89	56.93	56.99	57.49	57.50	57.79	58.48	*58.75	58.55	58.30	57.40
57.24	56.93	56.81	56.73	*56.66	57.21	57.40	58.07	58.33	*58.55	58.50	58.35	57.68
56.78	56.33	56.09	*55.96	56.09	56.71	57.23	57.90	58.13	58.35	*58.50	58.30	57.44
57.89	57.57	57.36	57.32	57.75	58.57	58.88	58.99	59.06	*59.35	59.30	59.00	58.21
58.16	*57.56	57.89	57.79	58.06	58.06	58.65	59.07	59.30	*59.60	59.30	58.70	*58.65
57.99	57.35	*56.91	56.96	57.03	57.31	57.81	58.16	58.19	58.65	58.40	58.30	58.19
55.38	54.63	*54.17	54.30	54.24	55.00	55.21	55.79	56.38	56.40	56.25	55.70	56.11
54.56	53.99	*53.79	54.11	54.09	54.69	54.99	55.63	55.99	56.20	*56.55	56.45	55.16
56.36	56.44	56.39	56.18	56.19	56.74	56.93	56.96	57.16	57.55	*57.70	57.65	56.52
58.40	57.62	57.43	57.60	57.70	57.95	58.30	58.10	58.49	*59.00	58.90	58.85	58.06
56.96	56.81	56.68	*56.24	56.38	57.15	57.35	57.90	57.96	*58.55	58.25	57.95	57.67
56.36	55.97	55.60	*55.19	55.27	55.49	55.88	56.44	56.88	57.40	57.25	57.00	56.64
56.04	55.34	*55.19	55.38	55.72	56.31	56.77	56.95	57.39	57.95	*58.10	58.05	56.67
57.17	56.79	56.57	56.62	56.78	57.36	57.90	58.79	59.14	*59.85	*59.85	59.60	57.74
57.34	56.72	56.47	*56.32	56.46	56.67	57.06	57.88	58.43	58.60	58.30	58.05	57.82
56.89	55.99	*55.47	*55.47	56.02	56.59	56.66	57.06	57.54	57.75	57.55	57.30	57.07
55.89	55.61	55.26	*55.08	55.30	55.65	56.35	56.61	*57.11	56.80	56.80	56.65	56.26
55.52	55.51	*55.26	55.34	55.79	56.22	56.76	56.78	57.08	*57.55	57.40	57.05	56.38
56.48	56.14	56.02	56.07	56.34	56.81	57.14	57.46	57.93	*58.75	58.45	57.70	56.91
57.65	57.30	56.98	56.84	56.83	57.00	57.36	57.69	58.35	58.70	58.40	58.05	57.76
54.81	54.54	54.31	54.01	*53.45	54.02	54.52	55.10	55.47	55.80	55.55	55.10	55.63
54.02	53.92	53.76	53.66	53.96	54.53	54.69	54.98	55.37	55.55	*55.65	55.30	*54.51
55.27	55.11	55.19	55.05	55.14	55.10	55.84	56.29	57.07	*57.55	57.25	56.75	55.62
56.54	56.14	55.92	55.25	*55.06	55.60	56.54	57.09	57.36	57.60	57.30	57.10	56.58
56.48	56.11	55.90	*55.80	55.94	56.38	56.75	57.15	57.52	*57.84	57.74	57.43	56.84

TEMPERATURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
26.0	26.1	26.7	26.7	25.6	26.4	26.4	26.8	26.7	26.0	25.7	26.0	26.2
*29.3	29.1	29.1	*29.3	28.6	28.2	27.3	27.6	27.5	27.4	27.1	26.2	27.1
30.0	30.2	*30.4	30.0	29.8	29.0	28.3	28.2	28.1	28.0	27.9	27.0	28.1
30.2	*30.7	30.5	30.1	29.4	28.9	28.3	28.2	28.2	28.2	27.9	27.8	28.0
29.6	*29.9	29.4	28.8	*26.6	27.6	27.7	27.8	27.8	27.7	27.7	27.7	28.2
*29.6	*29.6	28.9	29.1	28.3	28.5	28.3	28.4	28.2	28.3	28.3	28.3	*28.5
28.8	*25.7	27.1	27.2	27.6	27.9	28.1	28.1	28.0	27.6	27.8	27.7	28.1
*29.6	*26.8	29.0	*26.8	27.9	27.8	27.7	27.8	28.0	27.4	27.3	27.3	27.9
30.2	30.2	*30.3	29.9	29.3	28.9	28.6	28.4	28.3	28.2	28.1	27.9	28.4
30.2	29.6	30.4	30.3	29.7	28.9	28.8	28.3	28.2	28.1	28.0	27.9	*28.5
28.8	29.8	*29.9	29.0	26.4	26.1	26.0	25.6	25.2	24.9	24.8	*24.7	26.9
*30.4	29.8	28.9	29.0	28.9	26.1	25.8	25.7	25.5	25.3	25.2	25.3	26.7
27.7	28.2	*28.4	28.1	27.8	27.3	26.0	25.8	25.4	24.9	24.7	24.5	25.9
28.0	30.1	*30.4	28.3	26.6	26.9	26.8	26.8	26.7	26.5	26.5	26.2	26.5
31.7	*31.9	31.3	26.9	28.1	28.3	27.9	26.0	25.8	25.5	25.5	25.4	27.3
26.1	26.3	26.7	27.3	27.7	27.3	26.9	26.7	26.2	26.0	25.8	25.7	26.7
26.5	28.3	*28.6	26.2	27.1	27.1	26.9	26.7	26.5	26.2	25.7	25.8	26.5
*29.9	28.9	26.0	26.7	27.7	24.7	25.3	25.4	24.6	*24.4	24.8	24.8	26.4
*28.4	28.1	27.9	28.3	28.3	27.8	27.3	27.2	26.7	25.9	25.6	25.2	26.5
29.8	*30.7	30.6	30.2	30.1	28.2	27.5	27.2	26.6	26.3	26.2	25.6	27.3
29.8	29.5	*30.3	29.8	29.5	28.8	28.4	26.9	26.4	26.2	25.6	25.3	27.0
30.1	30.7	*31.0	30.3	29.4	29.3	28.9	26.9	26.6	26.4	26.2	26.0	27.3
*30.1	29.6	29.1	28.4	27.9	26.6	25.7	25.6	25.7	25.5	25.1	*24.7	27.1
28.8	28.7	28.9	*29.2	28.6	27.6	25.7	25.0	24.8	24.7	24.4	*24.2	26.1
29.4	*29.8	29.2	28.9	27.4	27.3	26.7	26.8	26.2	25.2	24.6	24.6	26.4
28.5	28.2	*29.2	28.3	28.1	27.1	26.6	25.8	25.6	25.4	25.3	25.3	26.2
27.2	27.5	*27.7	27.6	*27.7	27.4	27.5	26.3	26.1	26.0	26.3	26.0	26.1
*29.3	26.7	26.6	26.1	26.6	26.4	26.3	26.5	26.4	26.2	26.0	25.8	26.0
*27.9	26.8	27.4	26.5	25.9	25.5	25.4	25.3	*25.2	25.3	25.6	25.9	26.1
*28.9	27.7	28.3	27.2	27.4	27.2	26.8	27.1	26.2	25.5	25.5	25.7	26.8
26.3	*27.7	26.2	26.2	26.5	26.4	26.2	25.1	24.8	25.2	24.8	24.8	*25.7
*28.9	28.8	*28.9	28.3	28.0	27.5	27.1	26.8	26.5	26.3	26.1	26.0	27.0

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

RELATIVE HUMIDITY.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	89.5	89.0	89.0	87.0	*82.0	86.0	87.0	86.0	84.0	96.0	*97.0	94.0
2	93.0	93.0	93.0	92.0	92.0	93.0	*94.0	82.0	89.0	79.0	81.0	79.0
3	96.0	*97.0	96.0	95.0	*97.0	95.0	90.0	83.0	78.0	76.0	75.0	74.0
4	91.0	93.0	94.0	*96.0	*96.0	*96.0	94.0	88.0	87.0	83.0	77.0	76.0
5	84.0	84.0	84.0	84.0	86.0	84.0	85.0	82.0	79.0	79.0	80.0	79.0
6	86.0	85.0	85.0	86.0	86.0	86.0	86.0	84.0	83.0	84.0	81.0	81.0
7	85.0	85.0	86.0	86.0	86.0	85.0	83.0	*81.0	*81.0	83.0	*81.0	*81.0
8	89.0	89.0	89.0	88.0	87.0	87.0	88.0	87.0	84.0	79.0	83.0	82.0
9	90.0	*92.0	91.0	90.0	90.0	91.0	*92.0	85.0	82.0	*78.0	91.0	83.5
10	90.0	87.0	88.0	90.0	*94.0	*94.0	92.0	90.0	77.0	*72.0	74.0	78.0
11	87.0	89.0	92.0	91.0	91.0	92.0	90.0	89.0	86.0	82.0	87.0	84.0
12	*97.0	95.0	96.0	96.0	*97.0	96.0	94.0	87.0	76.0	79.0	76.0	73.0
13	92.0	95.0	94.0	94.0	95.0	*97.0	96.0	90.0	86.0	88.0	91.0	88.0
14	96.0	96.0	96.0	96.0	96.0	*97.0	*97.0	95.0	86.0	83.0	81.0	78.0
15	95.0	95.0	93.0	92.5	93.0	92.0	93.0	88.0	83.0	72.5	70.0	71.5
16	96.0	95.0	95.0	93.0	96.0	97.0	95.0	93.0	82.5	76.0	72.0	*65.0
17	*98.0	*98.0	97.0	94.0	95.0	96.0	92.0	93.0	86.0	82.5	84.0	82.0
18	91.0	90.0	92.0	94.0	97.0	97.0	96.0	91.0	91.0	82.0	88.0	81.0
19	*97.0	*97.0	91.0	88.0	88.0	91.0	94.0	90.0	84.0	93.0	82.0	79.0
20	94.0	91.0	94.0	96.0	*97.0	*97.0	94.0	80.0	74.0	74.0	77.0	79.0
21	90.0	92.0	92.0	92.0	92.0	94.0	94.0	*96.0	95.0	83.0	82.0	76.0
22	92.0	93.0	95.0	94.0	96.0	*97.0	90.0	86.0	79.0	78.0	75.5	74.0
23	96.0	*97.0	93.0	89.0	92.0	86.0	88.0	82.0	73.0	70.0	72.0	73.0
24	92.0	92.0	93.0	96.0	96.0	*97.0	96.0	95.0	89.5	83.0	80.0	77.0
25	96.0	*97.0	*97.0	*97.0	*97.0	*97.0	96.0	89.0	81.0	80.0	80.0	77.0
26	*97.0	96.0	95.0	*97.0	96.0	96.0	96.0	93.0	93.0	90.0	87.0	86.0
27	92.0	93.0	96.0	*97.0	*97.0	*97.0	*97.0	94.0	93.0	93.0	94.0	88.0
28	92.0	93.0	93.0	94.0	94.0	95.0	*97.0	*97.0	90.0	84.0	81.0	*76.0
29	87.0	88.0	86.0	85.0	88.0	88.0	87.0	85.0	86.0	91.0	85.0	80.0
30	89.0	92.0	91.0	*93.0	90.0	92.0	88.5	86.0	90.0	80.0	78.0	*75.0
31	88.0	88.0	89.0	90.0	92.5	96.0	95.0	*97.0	94.0	90.0	92.0	92.0
Mean	91.9	92.1	92.1	92.0	92.6	*93.0	92.1	88.5	84.6	82.0	81.8	79.4

VAPOR PRESSURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	22.6	22.2	22.1	22.4	*20.9	21.7	22.1	22.6	22.7	22.5	*23.7	21.9
2	22.2	22.3	21.9	21.7	*20.9	21.3	22.0	22.5	23.1	22.2	23.5	23.4
3	23.2	23.0	22.6	22.3	*22.2	22.5	23.9	24.5	24.5	*24.7	23.9	23.3
4	22.9	*22.5	22.6	22.7	22.7	22.7	22.9	23.9	24.2	24.3	24.3	24.6
5	23.4	23.3	23.2	*23.0	23.3	23.2	23.5	23.3	23.9	24.2	23.7	24.1
6	24.0	23.8	23.8	24.0	24.0	24.0	24.0	24.0	24.5	24.7	24.4	24.6
7	24.2	24.2	24.3	24.3	24.3	24.1	23.7	23.7	24.3	24.5	24.4	24.7
8	24.3	24.0	24.0	24.0	23.7	23.6	24.5	*25.1	24.9	23.2	24.5	24.5
9	*23.4	24.7	24.4	24.0	24.1	24.0	24.2	24.1	25.3	24.4	25.3	25.3
10	24.8	24.0	23.9	23.7	24.0	23.4	23.8	24.2	23.8	*23.2	24.2	24.3
11	23.4	23.5	*24.1	23.8	23.7	23.0	23.7	23.9	*22.4	23.4	22.7	23.4
12	22.3	21.8	21.7	21.6	21.7	21.6	21.8	23.7	22.4	23.4	23.0	22.8
13	21.8	22.0	21.7	21.5	21.7	21.8	*21.4	22.0	21.9	22.5	23.2	23.0
14	21.7	*21.6	*21.6	*21.6	*21.6	21.8	22.1	22.4	22.3	23.1	23.0	23.0
15	23.3	22.7	22.2	22.0	22.0	*21.5	22.0	22.7	23.2	22.4	23.0	23.0
16	22.5	22.2	22.2	22.1	22.7	22.9	23.2	23.4	23.7	23.9	*25.0	*20.8
17	23.6	23.4	23.0	22.4	22.5	22.4	22.4	22.5	23.0	23.7	23.5	22.7
18	23.2	23.3	23.4	23.1	23.2	23.3	24.1	24.3	23.1	*24.6	24.4	24.4
19	22.0	22.3	22.0	21.6	*21.4	21.6	22.1	22.0	22.3	22.3	22.6	22.4
20	22.3	21.1	21.2	21.7	21.5	21.5	22.3	21.8	22.2	22.3	23.5	*24.2
21	*21.4	21.6	21.6	21.5	21.6	22.0	22.4	22.5	23.2	22.8	*24.2	23.0
22	21.7	22.0	21.7	21.1	*20.9	21.5	22.1	22.3	21.9	22.4	22.2	22.9
23	23.2	23.3	23.2	22.3	22.3	21.7	22.6	*23.5	21.3	*21.0	21.7	22.7
24	21.1	*21.0	21.3	22.0	22.0	21.9	22.4	22.9	22.6	22.3	22.2	22.0
25	21.4	21.7	21.5	21.3	*21.0	21.2	22.0	*23.4	22.3	22.3	22.8	22.5
26	22.4	22.0	21.7	21.8	21.7	21.7	22.3	22.5	22.9	*23.7	23.4	23.1
27	22.5	22.9	22.4	22.3	22.4	22.4	22.9	21.6	22.5	22.5	*23.5	21.6
28	21.6	21.4	21.3	21.2	21.2	21.7	22.4	23.0	*21.1	21.5	22.0	22.4
29	21.7	21.6	21.5	*21.4	*21.8	21.8	21.8	22.2	22.4	22.3	21.6	*21.4
30	22.0	22.9	22.1	22.3	22.5	22.1	22.0	22.3	23.7	23.1	22.9	22.1
31	22.1	22.2	22.2	22.5	22.0	22.4	22.6	22.1	22.9	22.3	22.1	*23.3
Mean	22.7	22.6	22.5	22.4	*22.3	*22.3	22.7	23.1	23.0	23.1	*23.4	23.1

RELATIVE HUMIDITY.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
91.0	94.0	86.0	86.0	90.0	86.0	86.0	86.0	85.0	89.0	92.0	92.0	88.7
*76.0	*76.0	78.0	79.0	83.0	85.0	85.0	87.0	90.0	91.0	90.0	93.0	86.3
75.0	74.0	*73.0	*73.0	75.0	77.0	80.0	81.0	81.0	82.0	84.0	86.5	83.1
76.0	*75.0	76.0	77.0	78.0	80.0	83.0	82.0	83.0	83.0	84.5	84.0	84.7
81.0	*77.0	81.0	80.0	*90.0	87.0	87.5	86.0	88.0	88.0	88.0	87.5	83.8
*79.0	*79.0	80.0	82.0	84.0	83.0	*87.0	86.0	86.0	84.0	85.0	85.0	83.9
82.0	*98.0	90.0	87.0	86.0	90.0	88.0	89.0	88.0	89.0	88.0	88.0	86.1
*78.0	*91.0	83.0	90.0	83.0	83.0	84.0	88.0	88.0	90.0	90.0	*91.0	86.3
82.0	80.0	80.0	80.0	80.0	85.0	85.0	85.0	87.0	87.0	88.0	89.0	86.0
77.5	81.0	77.0	77.0	77.0	83.0	81.0	85.0	86.0	86.0	85.0	87.0	83.7
81.0	*75.0	76.0	78.0	91.0	93.0	94.0	96.0	96.0	*98.0	97.0	97.0	88.8
*68.0	72.0	79.0	81.0	73.0	93.0	93.0	91.0	91.0	91.0	90.0	89.0	86.4
84.0	*79.0	80.0	82.0	83.0	87.0	91.0	92.0	94.0	96.0	95.0	96.0	90.2
85.0	78.0	*68.0	83.0	90.0	90.0	91.0	90.0	90.0	90.0	92.0	93.0	89.0
70.0	*68.0	71.0	91.0	86.0	87.0	90.0	92.0	95.0	*96.0	*96.0	94.0	86.4
94.0	94.0	94.0	90.5	87.5	89.0	90.0	93.0	95.0	95.0	*98.0	*98.0	*90.6
90.0	*80.0	83.0	85.0	81.0	82.0	86.0	89.0	90.0	89.0	89.0	93.0	88.9
*76.0	80.0	89.0	87.0	84.0	96.0	91.0	91.0	97.0	*98.0	97.0	95.0	90.5
80.0	77.0	81.0	*75.0	77.0	80.0	83.0	84.0	87.0	91.0	91.0	93.0	86.4
71.0	*69.0	70.0	71.0	74.0	82.0	85.0	84.0	83.0	82.0	83.0	87.0	*82.8
76.0	76.0	*72.0	*72.0	75.0	81.0	80.0	88.0	86.0	85.0	88.0	90.0	85.3
70.0	*69.0	71.0	75.0	76.0	73.0	76.0	90.0	92.0	91.0	92.0	93.0	84.1
*69.0	73.0	74.0	75.0	77.0	85.0	89.0	90.0	86.0	88.0	90.0	92.0	83.3
74.0	*73.0	73.5	77.0	80.0	84.0	95.0	96.0	*97.0	*97.0	*97.0	*97.0	88.6
*72.0	73.0	75.0	78.0	82.0	85.0	83.0	83.0	89.5	93.0	95.0	95.0	87.0
77.5	75.0	*74.0	80.0	82.0	84.0	89.0	92.0	95.0	*97.0	94.0	95.0	89.9
84.0	82.0	81.5	82.0	79.0	83.0	*78.5	86.0	81.0	81.0	85.0	86.0	88.3
77.0	83.0	86.0	89.0	87.0	86.0	86.0	87.0	84.0	85.0	86.0	88.0	87.9
*79.0	85.0	83.0	87.0	90.0	92.0	*96.0	94.0	*96.0	94.0	93.0	92.0	88.2
79.0	79.0	83.0	88.0	82.0	85.0	86.0	83.0	83.0	88.0	88.0	88.0	85.7
91.0	*80.0	86.0	87.0	86.0	83.0	85.0	90.0	92.0	93.0	92.0	93.0	90.1
*78.9	*78.9	79.2	81.4	82.2	85.1	86.6	88.3	89.1	89.9	90.4	91.2	86.8

VAPOR PRESSURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
22.7	*23.7	22.3	22.3	22.0	21.9	22.0	22.6	22.1	22.3	22.5	22.9	22.4
23.1	22.8	23.5	23.8	24.0	24.1	22.9	23.7	24.5	*24.8	24.1	23.5	23.0
23.5	23.7	23.5	23.1	23.5	23.0	22.9	23.0	22.9	22.9	23.4	22.9	23.3
24.3	24.6	*24.8	24.3	23.7	23.6	23.7	23.4	23.6	23.6	23.6	23.5	23.6
*24.9	24.1	24.6	23.5	23.2	23.7	24.2	23.9	24.3	24.4	24.4	24.1	23.8
24.2	24.5	*23.6	24.5	24.0	23.9	*24.8	*24.8	24.5	24.0	24.2	24.2	24.2
24.1	24.1	24.1	*23.2	23.6	25.1	25.0	*25.2	24.6	24.4	24.6	24.4	24.3
24.0	23.8	24.8	23.7	23.2	*23.1	23.3	24.3	24.8	24.3	24.2	24.6	24.1
*26.0	25.4	25.8	25.1	24.2	25.1	24.8	24.6	24.8	24.6	25.0	24.8	*24.7
24.8	*24.9	24.8	24.7	23.8	24.5	23.8	24.2	24.5	24.3	23.8	24.2	24.2
23.8	23.2	23.8	23.1	23.3	23.3	23.3	23.3	22.8	22.8	22.5	22.5	23.3
22.0	22.4	23.4	*24.0	21.5	23.3	23.1	22.3	22.0	21.8	*21.4	*21.4	22.4
23.3	22.4	22.8	23.0	23.1	*23.5	22.7	22.7	22.7	22.4	21.9	21.9	22.4
23.9	*24.8	22.0	23.7	23.4	23.8	23.8	23.7	23.7	23.5	23.6	23.4	22.9
24.5	23.9	24.1	24.0	24.3	24.8	*25.1	22.9	23.5	23.2	23.2	22.7	23.2
23.4	24.0	24.3	24.3	24.1	23.9	23.6	24.1	24.0	23.8	24.0	24.1	23.4
23.2	22.7	*24.0	21.6	*21.5	21.8	22.8	23.2	23.0	22.4	21.9	22.9	22.8
23.8	23.6	22.1	22.7	23.1	22.2	*21.8	21.9	22.2	22.3	22.5	22.1	23.1
*22.8	21.6	22.6	21.5	22.1	22.2	22.4	22.6	22.7	22.6	22.1	22.2	22.2
22.2	22.5	22.8	22.8	23.6	23.2	23.2	22.6	21.4	*20.9	21.0	21.2	22.2
23.6	23.2	23.2	22.4	23.0	23.8	23.1	23.2	21.9	*21.4	21.6	21.5	22.5
22.2	22.5	23.6	*24.0	23.3	22.1	22.4	23.6	23.8	23.3	23.2	23.2	22.5
22.0	22.5	22.2	21.6	21.5	22.0	21.9	22.0	21.1	21.3	21.3	21.2	22.1
21.8	21.4	21.7	23.2	*23.4	22.9	23.3	22.5	22.5	22.3	21.9	21.7	22.2
22.1	22.6	22.6	23.2	22.3	22.9	21.7	21.9	22.7	22.2	21.8	21.8	22.1
22.4	*21.3	22.2	22.9	23.3	22.4	23.0	22.7	23.2	23.3	22.6	22.7	22.6
22.6	22.4	22.4	22.5	21.6	22.5	21.4	21.9	20.3	*20.2	21.6	21.6	22.1
*23.4	21.5	22.2	22.2	22.6	21.9	21.9	22.4	21.5	21.6	21.5	21.6	*21.9
22.2	22.2	22.5	22.4	22.4	22.2	*23.1	22.6	22.9	22.6	22.8	22.8	22.2
23.5	21.7	*23.8	23.7	22.3	22.8	22.6	22.3	*21.0	21.3	21.4	21.5	22.4
23.2	22.0	21.8	22.0	22.2	*21.3	21.6	*21.3	21.5	22.2	21.5	21.7	22.1
23.3	23.1	23.3	23.2	23.0	23.1	23.1	23.1	22.9	22.8	22.7	22.7	22.9

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

UPPER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1		A. s.	Ci. s.			
2	A. cu.	Ci. s.				
3	Ci.	Ci. SE. by E.	Ci. SE. by E.	A. cu. SW. by W.	Ci. cu. SW.	Ci. s.
4				A. cu. WNW.	Ci.	Ci.
5	Ci. s.	Ci. s.	A. cu. WNW.	A. cu. WNW.	A. cu.	Ci. s.
6	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
7		Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
8	Ci. s.	Ci. s.	Ci. s.	Ci. s.	A. cu.	Ci. cu. NNW.
9	A. cu. W. by S.	A. cu. W. by S.	Ci.	A. cu. W. by S.	A. cu.	A. cu.
10	Ci. s.	Ci. s.	Ci. s.	A. cu. ENE.	A. cu.	Ci. s.
11		Ci. cu.		A. cu.		
12	Ci. s. NE.	Ci. s.	Ci. s.	A. cu.	Ci.	Ci. s.
13						
14		A. cu. E.	A. cu. E.	A. cu.	Ci. s.	A. cu.
15	Ci. s.	A. cu. E.	Ci. s. SE. by E.	Ci. s. SE. by E.	Ci. s.	Ci. s.
16	Ci. s.	A. cu. SE.	Ci. s.	Ci. s.	Ci. s.	
17			Ci. s.	Ci. cu.		
18	Ci. s.			Ci. s.		A. cu. NW.
19					A. cu.	A. cu.
20	Ci. s.	Ci. s.	A. cu.	A. cu. W.	A. cu. W.	A. cu.
21			Ci. s.	A. cu. E.	A. cu. E.	Ci. s.
22	Ci. s. NE.	Ci. s.	Ci. s.	Ci. s.		
23	Ci. s. NE.	Ci. s.	Ci. s. NE.	A. cu. N. by E.	Ci. s.	Ci. s.
24	Ci. s. ESE.	Ci. s. ESE.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
25	A. cu.	A. cu.	A. cu.	Ci. cu.	Ci. s.	Ci. s.
26	A. cu.	A. cu.		A. cu. WNW.	A. cu.	A. cu.
27						
28	Ci. s.					
29	A. cu. ENE.	A. cu.				
30	A. cu. W.	Ci. s.		Ci. s.	Ci. s.	Ci. s.
31						

LOWER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Cu. N. WSW.	Cu. N. WSW.	Cu. N. WSW.	N.	N.	N.
2	Fr. N. SW. by W.	Cu.	Cu. N. SW.	Cu.	Cu.	Cu.
3	Fr. cu.	N. cf. W. by S.	Cu.	Cu.	Cu.	Cu.
4	Cu. W. by N.	S. cu. W. by N.	S. cu. W. by N.	Cu.	Cu.	Cu.
5	Cu. N. W.	Cu. N.	Cu. WSW.	Cu. WSW.	S. cu. WSW.	Cu. WSW.
6	N. cf. WSW.	N. cf. WSW.	N. cf. WSW.	N. cf. WSW.	N. cf. WSW.	N. cf. WSW.
7	Cu. N. W.	Cu.	Cu. N. WSW.	Cu. N. W. by S.	Cu. N. WSW.	Cu. N. WSW.
8	N. cf.	Fr. N. SW.	Fr. N.	Fr. N. SW. by W.	N. cf. WSW.	N. cf. WSW.
9	S. cu.	Cu. N. WSW.	Cu. WSW.	Cu. N.	Cu. N.	Cu. N.
10	Cu. N. NW. by W.	Cu. N. W.	Cu. N. W.	Cu.	Cu.	Cu.
11	Cu. N.	N. cf. NW. by W.	N. cf. W.	N. cf. W.	Cu. N.	Cu. N.
12	Cu. N.	Cu. N.	Cu. NNW.	Cu. N. NNE.	Cu.	Cu. N.
13	N.	S. cu.	Fr. N. N. by E.	N.	N. NNE.	N.
14	N. N.	Cu. N. N.	Cu. N. N.	Cu. N. NNE.	Cu. N.	Cu. N.
15	S. cu.	Cu. NE.	Cu. NE.	Cu. NE.	Cu.	S. cu.
16	Cu.	Cu.	Cu. ESE.	Cu. SE. by S.	Cu.	Cu. N.
17	Fr. N. SW. by W.	Cu. N. SW.	Cu. N.	Cu. N. SW.	N.	Cu. N. SW. by S.
18	Cu. N.	Cu. N. WSW.	N.	Cu. N. WSW.	N.	Cu. N.
19	Cu. N. SW.	N. SW. by W.	Cu. N. SW. by W.	N. SW.	Cu. N.	Cu. N.
20	Cu.	Cu. SW.	Cu.	Cu.	Cu.	Cu.
21	Cu. N. WSW.	N.	N. cf. NW. by W.	Cu.	Cu.	Cu.
22	Cu.	N. cf. NW.	Cu. NW. by W.	Cu.	Cu.	Cu.
23	S. cu.	S. cu.	Cu. N.	N. cf. WNW.	Cu. N.	Cu. N.
24	Cu.	Cu.	Cu. N. NNE.	Cu. N. N. by E.	Cu. N.	Fr. N.
25	Fr. N. SW.	Cu. N.	Cu. N. SW.	Cu. N.	Cu.	Cu. N.
26	Cu. N. SW.	Cu. N. SW. by W.	Cu. N.	Cu. N. W. by S.	Cu. N.	Cu. N.
27	N.	N. SW. by W.	N. WSW.	Cu. N. WSW.	Fr. N. WSW.	Cu. N.
28	Fr. N. W.	N.	N. W. by S.	Fr. N.	N. cf. W.	Fr. N.
29	N. cf. WSW.	N. cf. WSW.	Fr. N. WSW.	Cu. N.	Cu. N. WSW.	N. cf.
30	S. cu. SW. by S.	Cu. N. SW. by S.	Cu. N. SW. by S.	Cu. N. SW.	Cu. N.	Cu. N.
31	N. WSW.	N.	N.	N.	N.	N.

UPPER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Ci. s. Ci. s. Ci. s.	Ci. s. Ci. s. Ci. s. Ci. s.	Ci. s. NE. by N. A. cu. Ci.	Ci. s. NE. by N. Ci. s. Ci.	Ci. s. Ci. s. Ci. s.	Ci. s. Ci. s. Ci. cu.
Ci. s. A. cu. Ci. s. Ci. Ci. s.	Ci. s. A. cu. W. by S. Ci. s.	Ci. s. Ci. s. Ci. Ci.	Ci. s. Ci. s. Ci. s. Ci.	Ci. s. Ci. s. Ci. s.	Ci. s. Ci. s. Ci. s.
A. cu. Ci. s. Ci. s. Ci.	A. cu. NE. by E. Ci. s. Ci. s. Ci. s. A. cu. E.	A. cu. Ci. s. Ci. s. Ci. s.	A. cu. Ci. s. Ci. s.	Ci. s. Ci.	Ci. s. Ci. s. E.
Ci. s. Ci. s. A. cu. A. cu.	A. cu.	A. cu.		A. cu. SW.	A. cu.
Ci. s. A. cu. A. cu.	Ci. E.	Ci. E.	A. cu. ENE. Ci. s.	A. cu. E.	A. cu.
Ci. s.	A. cu. WSW.	Ci. s. E.	Ci. s. E.	Ci. s.	Ci. s.
Ci. s. Ci. s. Ci. A. cu. Ci. s.	Ci. s. Ci. s. Ci. s. A. cu. Ci. s.	Ci. s. Ci. s. Ci. s. A. cu. NE. Ci. s.	Ci. s. Ci. s. Ci. s. A. cu. Ci. s.	A. cu. Ci. s.	Ci. s. NE. Ci. s.
Ci. s. Ci. s.			A. cu. NW. Ci. s.	A. cu.	Ci. s. A. cu.

LOWER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Cu. N. W. by S. Cu. Cu. Cu. N. cf. W. Cu. W. by S. Cu. N. N. cf. Cu. Cu. N.	Cu. N. SW. Cu. Cu. Cu. Cu. WSW. Cu. N. WSW. Cu. N. WSW. Cu. WSW. Fr. N. WSW.	Cu. N. W. by S. Cu. Cu. Cu. N. cf. W. Cu. N. W. Cu. N. WSW. Cu. N. Cu. N.	Cu. N. Cu. Cu. Cu. N. WSW. Cu. N. N. cf. WSW. Cu. N. WSW. S. cu. WSW.	Cu. N. W. by S. Cu. N. Cu. Cu. N. WSW. N. WSW. Cu. N. WSW. Cu. N. Cu.	N. S. cu. Cu. Cu. Fr. N. Cu. Cu. N. S. cu. S. cu. Cu. N.
Cu. Cu. N. Cu. N. N. cf. NE. by E. Fr. N. ENE. N. SW. by W. Fr. N. WSW. Cu. Cu. N.	Cu. WSW. Cu. N. N. cf. NNE. Cu. N. S. cu. NE. Cu. N. SW. by W. S. cu. WSW. Cu. N. N. SW. by W. Cu. N.	Cu. N. WSW. Cu. N. Cu. N. Cu. N. NE. by E. Cu. N. NNE. Cu. N. SW. N. cf. Fr. N. SW. by W. Cu. N.	Cu. N. WNW. Cu. N. Cu. N. N. ENE. Cu. N. Cu. N. Cu. N. SW. Fr. N. Cu. N.	N. Cu. N. Cu. N. Cu. N. NE. Cu. N. ENE. Fr. N. N. N. cf. Fr. N. N. cf. WSW. S. cu. SW.	Cu. N. WSW. S. cu. Cu. N. N. cf. Fr. N. N. Fr. N. N. N. cf. Cu. N. SW.
Cu. Cu. Cu. N. Cu. N. Cu. N. Cu. N. N. cf. Fr. N. Fr. N. SW. by W. Fr. N. SW. by S. Cu. N.	Cu. Cu. Cu. N. Fr. N. N. by E. Cu. N. NE. Cu. N. N. cf. WSW. Cu. Cu. N. SW. by W. N. Cu. N. SW. by W.	Cu. Cu. Cu. N. Cu. N. Fr. N. Cu. N. WSW. Fr. N. WSW. Fr. N. Fr. N. SW. N. WSW. Cu. N. SW. by W.	Cu. Cu. Cu. N. Cu. N. Cu. N. Cu. N. N. cf. WSW. Fr. N. Cu. N. SW. N. Cu. N.	Cu. Cu. N. Cu. N. Cu. N. Cu. N. Cu. N. S. cu. Fr. N. Fr. N. SW. N. WSW. Cu. N.	Cu. Cu. N. Cu. N. Cu. N. Cu. N. Cu. N. S. cu. Cu. N. Fr. N. Cu. N. S. cu.

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.
1	WSW. 8.0	SW. by W. 9.0	WSW. 6.5	SW. by W. 7.0	WSW. 12.0	SW. by W. 12.5
2	SW. 8.0	SSW. 3.5	SSW. 3.5	S. 1.5	Calm.	Calm.
3	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
4	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
5	WSW. 6.5	WSW. 7.0	W. 2.0	WNW. 3.0	W. 1.0	W. 1.5
6	WSW. 7.5	W. by S. 6.5	W. by S. 6.0	W. by S. 8.0	WSW. 9.0	WSW. 10.0
7	WSW. 10.0	WSW. 8.0	WSW. 12.0	WSW. *13.0	WSW. 10.0	SW. 6.5
8	SW. 5.5	SW. 2.5	SW. 1.5	SW. 1.0	SW. 1.5	SSW. 5.0
9	Calm.	SW. 2.0	SW. by S. 1.5	SW. by S. 2.5	S. 1.5	S. 2.0
10	W. 2.0	W. 1.5	Calm.	W. 1.0	Calm.	Calm.
11	SW. 4.0	SW. by S. 2.0	WSW. 4.5	W. 1.0	Calm.	Calm.
12	ENE. 1.0	Calm.	Calm.	Calm.	Calm.	Calm.
13	NNW. 1.0	NNE. 1.5	N. 2.0	N. 1.0	Calm.	Calm.
14	NNW. 2.0	N. 2.5	Calm.	N. 3.0	Calm.	Calm.
15	S. 0.5	Calm.	S. 0.5	S. 1.0	Calm.	Calm.
16	NE. by E. 4.5	Calm.	Calm.	Calm.	Calm.	Calm.
17	Calm.	Calm.	S. by W. 1.5	S. by W. 0.5	Calm.	Calm.
18	WSW. 4.0	SW. 2.5	SW. 1.0	Calm.	Calm.	Calm.
19	Calm.	SSW. 2.0	WSW. 6.5	WNW. 3.0	SSW. 1.0	SSW. 4.0
20	WSW. 1.0	WNW. *10.0	NW. 1.5	Calm.	Calm.	Calm.
21	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
22	Calm.	Calm.	Calm.	SW. 0.5	Calm.	Calm.
23	ESE. 1.0	NE. 1.5	Calm.	N. 3.5	Calm.	NNW. 0.5
24	Calm.	Calm.	N. 1.0	NNE. 1.0	Calm.	Calm.
25	SSE. 1.0	Calm.	SSE. 1.0	SSE. 1.0	Calm.	Calm.
26	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
27	WNW. 3.0	Calm.	Calm.	ENE. 1.0	SE. 0.5	SE. 3.0
28	NW. 1.0	NW. 1.0	Calm.	Calm.	Calm.	Calm.
29	SSW. 4.0	SW. by W. 3.0	WSW. 9.0	WSW. *10.5	SW. 3.5	SW. 3.0
30	WSW. *10.0	SSW. 2.0	S. 1.0	SW. 8.0	SSW. 4.0	SW. 6.0
31	SSW. 3.0	SSW. 4.0	SSW. 4.0	SSW. 1.5	WNW. 5.0	W. 2.0
Mean	2.9	2.3	2.1	2.4	*1.6	1.8

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
1	SW. by W. 13.0	SW. 5.0	SW. by W. 13.0	SW. by W. 10.0	SW. by W. 8.0	WSW. 12.0
2	WSW. 5.0	WSW. 7.0	WSW. 7.0	WSW. 8.0	WSW. 6.5	WSW. 5.0
3	WSW. 4.5	WSW. 5.0	WSW. 6.5	WSW. 6.0	WSW. *7.0	WSW. 5.0
4	WSW. 5.5	SW. 3.5	SW. by W. 5.0	WSW. 8.5	SW. by W. 8.0	WSW. 5.5
5	SW. 8.0	WSW. 8.0	WSW. 9.5	WSW. *12.0	W. by S. 5.0	WSW. 5.5
6	WSW. 12.0	WSW. 12.0	WSW. 12.0	WSW. 12.0	WSW. 10.0	WSW. 8.0
7	WSW. 8.0	WSW. 5.5	WSW. 8.5	SW. 9.0	SW. by W. 9.0	SW. by W. 6.0
8	WSW. 8.5	SW. by W. 6.0	WSW. 9.0	WSW. *11.0	WSW. 9.0	WSW. 5.0
9	WSW. *9.0	WSW. 7.0	WSW. 7.0	WSW. 6.0	WSW. 5.5	WSW. 5.0
10	WSW. 5.0	WSW. 5.5	WSW. 5.0	WSW. *7.0	WSW. 6.0	WSW. 5.0
11	W. 5.0	WSW. 6.0	WSW. 8.0	WSW. *9.0	N. 1.5	N. 1.5
12	WSW. 2.0	W. 1.0	Calm.	SW. 2.0	E. 2.5	Calm.
13	W. 1.0	Calm.	Calm.	SW. 1.5	WSW. 2.0	Calm.
14	W. 1.0	W. 3.0	N. 2.0	ENE. 1.5	Calm.	SE. 1.0
15	Calm.	SSW. 1.0	SSW. 1.0	Calm.	Calm.	Calm.
16	SW. 1.5	Calm.	Calm.	Calm.	Calm.	Calm.
17	WSW. 2.0	WSW. 3.0	WSW. 4.5	SW. 5.5	WSW. 7.5	WSW. 5.0
18	WSW. *9.0	WSW. 8.0	W. by S. *9.0	WSW. 4.5	WSW. 4.5	SW by W. *9.0
19	SSW. 3.0	WSW. 3.5	SSW. 2.5	WSW. 3.0	WSW. 5.0	WSW. 5.0
20	WSW. 3.5	WSW. 4.0	WSW. 7.0	WSW. 6.5	SW. 3.5	WSW. 9.0
21	W. 2.0	WSW. 3.0	WSW. 5.0	WSW. 7.0	WSW. 7.0	WSW. 7.0
22	WSW. 2.5	WSW. 3.5	SW. 5.0	SW. 6.0	SW. *7.0	WSW. 6.5
23	SW. 1.5	WSW. 1.5	W. 2.5	NW. by N. *6.5	NW. 2.0	NE. 1.5
24	Calm.	WSW. 0.5	WSW. 0.5	SSW. 0.5	WSW. *3.5	SSW. 3.0
25	SW. 2.5	WSW. 4.5	WSW. 6.5	WSW. *7.0	SW. 4.0	SW. 1.0
26	WNW. 7.0	NW. 7.0	WNW. 3.0	WSW. 4.5	WSW. 5.0	SSW. 8.0
27	WSW. 9.0	WSW. 6.0	WSW. 7.5	WSW. 5.5	WSW. 7.5	WSW. 7.0
28	SW. 1.0	SW. by W. 6.0	SW. 4.5	S. by W. 4.0	SSW. 4.5	WSW. 5.5
29	SW. by W. 4.0	WSW. 8.0	SSW. 5.0	SSW. 6.5	SSW. 3.0	SW. 4.5
30	SSW. 7.0	WSW. *10.0	WSW. 4.5	WSW. 5.0	SSW. 4.5	SSW. 3.0
31	S. 2.5	SSW. 3.0	WSW. *8.0	SW. by W. 4.5	SW. 2.0	SW. 3.0
Mean	4.7	4.7	5.4	*5.8	4.9	4.6

OBSERVATIONS FOR AUGUST, 1902.

95

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
WSW.	14.0	SW. by W.	8.5	WSW.	14.0	WNW.	11.0	WSW.	11.5	WSW.	*18.0
Calm.		Calm.		SSW.	*10.0	SW.	2.5	WSW.	2.0	WSW.	6.0
Calm.		Calm.		Calm.		Calm.		SW.	1.5	SW.	3.5
Calm.		Calm.		SSW.	0.5	SW.	0.5	SW.	2.5	WSW.	4.0
WSW.	7.5	WSW.	8.0	WSW.	6.5	WSW.	8.5	WSW.	7.5	WSW.	8.5
WSW.	11.0	WSW.	11.5	WSW.	10.0	WSW.	9.0	WSW.	10.0	WSW.	8.5
WSW.	9.0	WSW.	6.5	SW. by W.	7.0	WSW.	12.0	SW.	8.0	WSW.	11.5
SSW.	4.0	SSW.	2.5	SW.	2.0	WSW.	10.5	WSW.	10.0	SW.	9.0
Calm.		S.	2.5	SW.	3.0	WSW.	5.0	WSW.	7.0	SW. by W.	5.0
Calm.		Calm.		Calm.		Calm.		WSW.	3.0	WSW.	4.0
ENE.	2.0	Calm.		WSW.	4.5	WSW.	4.0	SSW.	2.0	WNW.	3.5
Calm.		Calm.		Calm.		WSW.	1.5	W.	2.0	WSW.	*3.0
Calm.		NNE.		NE.	2.0	NNE.	2.5	NNE.	1.5	Calm.	
NNE.	1.0	N.	3.0	NNE.	3.0	NNW.	2.0	NW.	2.0	NW.	*5.0
E.	0.5	E.	0.5	Calm.		S.	1.0	S.	1.5	WSW.	2.0
NE.	1.0	Calm.		ESE.	2.5	SE.	2.5	S.	1.0	S. by W.	*9.0
Calm.		NNE.	1.0	NNE.	2.0	NE.	0.5	NW.	3.0	WNW.	3.0
Calm.		Calm.		S.	2.5	S.	1.5	WSW.	2.5	WSW.	5.5
S.	3.0	S.	1.0	SSE.	1.0	SW.	6.0	WSW.	6.0	SW. by W.	*8.0
Calm.		Calm.		S.	1.0	SSW.	2.0	WSW.	2.0	W.	1.5
E.	1.0	WSW.	2.0	Calm.		S.	1.0	W.	0.5	WSW.	1.5
Calm.		NW.	1.5	W.	2.5	WNW.	1.0	WNW.	1.0	WSW.	2.5
Calm.		Calm.		WSW.	3.0	WSW.	2.0	WNW.	1.0	W.	2.5
Calm.		Calm.		Calm.		Calm.		WSW.	0.5	Calm.	
Calm.		Calm.		S.	0.5	WSW.	2.5	WSW.	1.0	WSW.	1.5
E.	1.5	Calm.		Calm.		Calm.		WNW.	3.5	NW.	5.0
SSW.	5.0	SSW.	3.0	W.	3.5	WSW.	2.5	SW.	0.5	WSW.	8.5
E.	1.0	W.	3.0	WNW.	5.0	WSW.	3.0	SSW.	1.0	SW.	2.5
SSW.	3.0	SW. by W.	5.0	WSW.	4.0	WSW.	7.5	WSW.	4.5	SW. by W.	6.5
S.	1.5	S.	1.5	SW. by S.	7.0	S.	7.0	SSW.	5.0	SSW.	7.0
NW. by W.	*8.0	WSW.	6.5	SW. by S.	4.5	S. by W.	2.5	S.	3.5	SSE.	1.0
2.4		2.3		3.3		3.6		3.5		5.1	

7 p.		8 p.		9 p.		10 p.		11 p.		12 m. n.		Mean.
WSW.	12.0	SW. by W.	7.0	SSW.	4.0	SW.	3.0	SSW.	5.0	SSW.	4.0	9.5
WSW.	5.0	WSW.	4.0	WSW.	3.0	WSW.	2.0	Calm.		WSW.	1.0	3.8
SW.	4.5	SW.	3.0	SW.	3.5	WSW.	4.5	Calm.		Calm.		2.3
SW.	6.5	WSW.	8.0	WSW.	8.0	WSW.	*13.0	WSW.	3.0	WSW.	2.0	3.5
SW.	7.0	WSW.	7.0	WSW.	8.0	WSW.	7.0	WSW.	10.0	WSW.	9.0	6.8
WSW.	8.0	WSW.	12.0	WSW.	13.0	WSW.	10.0	WSW.	*14.0	WSW.	12.5	*10.1
SW. by W.	10.0	SW. by W.	5.0	SW. by W.	8.0	SW. by W.	8.0	SW. by W.	8.5	SW. by W.	9.0	8.7
SW.	3.5	WSW.	4.5	WSW.	7.0	WSW.	3.0	SW.	4.0	Calm.		5.2
SW.	7.0	WSW.	5.0	WSW.	6.0	WSW.	8.0	WSW.	8.0	WSW.	5.0	4.6
WSW.	*7.0	WSW.	5.0	WSW.	5.0	WSW.	3.5	W.	2.5	SSW.	1.0	2.9
Calm.		Calm.		Calm.		ENE.	1.0	Calm.		Calm.		2.5
E.	0.5	NE.	3.0	NE.	2.0	NNE.	2.0	NNE.	1.5	NNW.	1.0	1.0
NNW.	1.5	NNW.	4.0	NNW.	*5.0	NNW.	3.5	NNW.	2.0	Calm.		1.5
S.	2.0	S.	1.0	Calm.		Calm.		Calm.		Calm.		1.5
SE.	2.0	ESE.	3.0	ESE.	*3.5	ENE.	3.0	Calm.		ENE.	2.0	1.0
Calm.		Calm.		Calm.		SSW.	1.0	Calm.		SSW.	1.5	1.0
WSW.	*8.0	Calm.		Calm.		SSW.	1.5	Calm.		WSW.	5.5	2.2
SW.	3.5	SSW.	0.5	SSW.	1.0	SW.	4.0	Calm.		Calm.		3.0
SW.	6.0	SW.	1.5	SSE.	1.5	Calm.		SSW.	1.0	Calm.		3.1
SSW.	5.0	SSW.	6.0	SSW.	5.0	SSW.	0.5	Calm.		Calm.		2.9
SW.	6.0	WSW.	*9.5	SW.	4.5	WSW.	2.0	WSW.	9.0	WSW.	6.0	3.1
WNW.	6.0	NNE.	1.5	Calm.		NE.	1.0	ENE.	1.0	SE.	1.0	2.1
SW.	1.0	Calm.		NE.	0.5	NNE.	1.0	NE.	1.0	Calm.		1.4
SSW.	2.5	SSW.	1.5	Calm.		Calm.		Calm.		Calm.		*0.6
WSW.	2.0	WSW.	3.0	NE.	1.0	NE. by E.	2.0	Calm.		Calm.		1.8
SSW.	5.0	ESE.	1.0	SE.	0.5	WSW.	4.5	W. by S.	*9.5	W.	6.0	3.0
WSW.	8.0	WSW.	*10.0	WSW.	*10.0	W.	4.5	W.	5.5	WNW.	1.0	4.7
WSW.	*8.0	WSW.	7.5	WSW.	4.5	SSW.	3.5	SW. by S.	3.5	SW. by W.	6.0	3.2
SSW.	6.0	SSW.	2.0	SSW.	1.0	SSW.	3.0	SSW.	2.0	SSW.	3.0	4.6
SW.	3.0	SW.	4.5	SW.	4.5	W.	5.5	SW.	0.5	S. by W.	3.0	4.8
S.	4.0	SSE.	2.0	SSE.	2.5	SSE.	1.0	SE.	1.0	Calm.		3.3
4.9		3.9		3.6		3.4		3.0		2.6		3.5

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

WIND—FORCE IN KILOMETERS PER HOUR.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	47.0	45.0	44.0	46.0	36.0	45.5	*56.0	47.0	48.0	46.5	44.0	44.0
2	19.5	19.5	13.0	8.5	2.5	1.5	3.0	2.0	13.5	15.0	11.5	27.0
3	2.0	2.5	3.0	3.0	3.0	2.5	1.5	3.0	3.5	6.0	11.0	16.0
4	4.5	4.0	3.5	3.0	2.0	2.5	2.0	2.5	1.5	5.0	6.5	11.0
5	16.5	27.0	15.5	16.5	14.0	14.0	12.5	27.5	25.0	28.0	30.5	30.0
6	36.0	28.5	30.0	34.5	37.5	41.0	40.0	40.0	42.5	36.5	42.5	45.5
7	*45.5	39.0	40.5	38.0	41.0	40.5	32.0	35.0	36.5	37.5	38.0	39.0
8	33.0	16.0	7.5	11.5	8.0	8.0	15.5	14.0	12.0	25.5	36.5	36.0
9	3.0	10.0	9.5	8.5	9.0	8.5	4.5	5.0	9.5	19.0	25.0	25.5
10	20.0	10.5	6.5	2.5	2.5	2.5	3.0	2.5	1.5	5.5	9.5	18.5
11	13.5	10.0	16.0	13.0	4.0	2.0	5.5	3.5	15.5	17.5	17.5	15.0
12	2.0	2.5	0.0	2.0	2.0	1.5	0.5	0.5	4.0	7.0	11.5	12.5
13	5.0	3.0	6.5	4.0	3.5	2.0	7.0	4.5	11.5	8.0	6.0	5.0
14	6.5	10.0	9.0	6.5	6.0	4.5	5.5	9.5	14.5	12.5	15.0	*19.0
15	3.0	1.5	2.5	2.5	1.5	1.5	1.0	2.0	8.0	3.5	6.5	8.5
16	7.0	7.5	1.5	2.0	4.0	4.0	6.5	5.0	6.5	8.0	5.5	*14.0
17	4.5	1.0	5.0	5.5	3.0	1.5	1.5	5.5	5.0	6.5	12.5	15.5
18	15.5	13.0	7.0	3.0	2.5	3.0	1.0	3.0	7.0	4.0	17.5	24.5
19	3.0	4.0	18.0	17.5	9.0	11.5	10.0	4.0	3.0	7.0	20.0	26.0
20	3.5	11.0	14.0	4.0	7.0	4.5	4.5	4.0	3.5	7.5	9.0	10.0
21	3.5	4.0	1.0	0.0	0.5	0.5	1.0	4.0	1.5	4.0	5.0	9.5
22	2.0	0.0	1.5	1.5	3.0	0.0	0.0	5.5	13.5	12.5	13.0	11.0
23	3.0	3.0	2.0	15.5	10.0	6.0	5.0	4.0	7.0	9.0	6.5	8.0
24	3.5	1.0	3.0	3.0	3.0	2.0	3.0	3.0	3.5	3.0	4.5	6.0
25	4.5	2.0	2.5	4.5	3.5	4.0	1.0	2.0	4.5	9.0	11.0	9.0
26	3.0	2.5	3.0	2.0	2.0	1.0	3.5	5.0	3.0	1.0	12.0	22.0
27	14.5	7.0	5.0	3.0	4.0	5.0	16.5	11.5	14.5	11.5	9.0	21.5
28	4.5	4.0	4.5	3.0	3.5	2.0	1.5	8.5	23.5	*31.5	13.5	8.0
29	23.0	16.0	*37.0	28.0	25.5	12.0	15.0	26.0	19.5	28.5	34.5	21.5
30	23.0	25.0	8.5	7.0	18.5	17.0	13.5	9.5	17.0	31.5	29.0	38.0
31	16.5	17.0	19.5	12.5	14.0	21.5	21.0	24.0	23.5	19.5	17.5	10.0
Mean	12.6	11.2	11.0	10.1	9.2	*8.8	9.5	10.4	13.0	15.1	17.1	19.6

AMOUNT OF CLOUDS (0-10).

Day.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	Mean.
1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	*10.0
2	4	9	7	6	10	8	7	7	8	7	7	7	7	7	4	3	2	6.5
3	5	4	3	4	4	7	1	1	2	2	3	2	1	1	0	0	0	*2.4
4	9	8	6	7	10	8	5	3	4	3	3	2	2	2	3	2	2	4.6
5	3	5	5	6	6	7	8	4	9	7	9	10	10	10	10	10	10	7.6
6	9	9	9	8	9	9	9	9	10	10	10	10	10	10	10	10	9	9.4
7	8	8	9	8	8	9	8	9	9	10	10	10	10	10	8	7	10	8.9
8	8	10	8	10	10	10	9	9	7	10	8	10	8	9	4	4	9	8.4
9	5	9	7	9	7	9	9	6	5	6	6	7	6	8	4	4	8	6.8
10	4	4	6	7	7	6	7	6	9	8	6	7	3	7	3	4	7	5.9
11	9	9	9	9	9	9	9	10	9	7	5	9	10	10	10	7	7	8.6
12	5	6	6	4	5	5	3	3	5	7	8	9	10	7	6	7	5	5.9
13	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.9
14	10	10	10	10	9	9	6	9	10	9	10	10	10	10	10	10	10	8.4
15	10	9	10	9	7	6	6	9	10	9	10	10	10	10	10	10	10	9.1
16	10	10	9	9	8	8	8	10	10	10	10	10	10	10	10	10	10	9.5
17	4	6	9	10	8	7	9	9	10	7	10	10	10	10	10	10	10	8.8
18	10	10	10	10	10	8	9	8	8	9	10	10	10	10	10	10	10	9.5
19	10	10	10	10	10	10	10	10	8	9	9	8	7	6	10	8	10	9.1
20	4	4	4	3	7	5	5	4	2	3	3	5	8	8	5	5	8	4.9
21	9	10	10	10	9	8	9	9	10	10	8	7	7	4	4	10	10	8.5
22	6	4	4	4	4	3	2	3	3	3	3	4	7	8	9	10	10	5.1
23	9	10	7	8	9	9	10	10	10	10	10	10	10	10	8	8	7	9.1
24	5	9	9	9	10	10	10	10	10	10	10	8	8	9	10	10	10	9.2
25	7	4	8	7	7	6	7	7	9	10	10	10	10	10	10	10	10	8.4
26	10	9	9	10	10	9	9	7	8	9	9	8	9	10	9	10	9	9.1
27	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.9
28	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	*10.0
29	10	10	9	10	10	10	10	10	10	10	9	9	10	10	10	10	10	9.8
30	10	10	10	8	10	7	9	7	9	10	10	10	10	10	7	8	10	9.1
31	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	*10.0
Mean	*7.7	8.3	8.2	8.2	*8.5	8.1	8.0	*7.7	8.1	8.1	8.2	8.4	8.4	*8.5	7.8	7.9	*8.5	8.1

OBSERVATIONS FOR AUGUST, 1902.

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WIND—FORCE IN KILOMETERS PER HOUR.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
47.0	31.0	41.5	44.5	45.0	46.5	43.5	37.0	22.0	15.0	11.5	16.0	39.6
32.5	*34.0	33.0	21.0	33.0	27.5	23.5	20.0	15.0	9.5	3.0	3.0	16.3
21.0	23.0	*27.0	*27.0	24.5	20.0	20.0	18.5	17.0	17.0	10.0	3.0	11.9
18.0	23.0	24.5	26.5	*34.5	32.0	31.0	28.5	27.0	30.5	23.0	11.5	14.9
35.0	37.0	36.0	*41.5	34.5	24.5	35.0	35.0	29.0	31.0	35.0	33.0	27.6
43.5	48.5	48.5	*49.5	46.0	39.0	36.5	38.5	43.0	42.5	45.0	45.0	*40.8
39.5	41.5	35.0	41.5	34.0	30.0	35.0	31.0	31.5	33.0	29.0	32.0	36.5
37.0	35.5	35.5	*43.0	32.0	31.0	22.0	21.5	21.0	21.0	12.0	15.5	22.9
27.5	30.0	*33.0	30.0	31.5	29.5	26.0	28.0	24.0	21.0	27.5	18.0	19.3
24.0	28.5	28.0	29.5	*31.0	29.5	28.0	25.0	21.0	19.0	11.5	8.5	15.4
17.0	25.0	33.0	*35.0	15.5	9.0	5.0	2.5	1.5	3.5	2.5	3.0	11.9
13.5	*14.5	9.0	4.0	5.0	5.0	3.0	9.0	8.0	9.0	6.5	5.0	5.7
2.5	4.0	5.0	5.5	8.0	3.0	11.5	12.5	*19.5	13.0	11.0	6.0	7.0
9.5	11.0	12.0	5.5	7.5	4.0	5.0	5.0	0.5	1.0	0.0	1.0	7.5
6.5	6.0	7.5	*12.5	1.5	0.5	1.5	11.5	7.5	12.0	7.0	7.0	5.1
13.0	4.0	3.0	1.5	1.5	0.0	0.0	0.0	1.5	4.0	2.5	4.0	*4.4
15.5	11.0	18.0	23.0	*30.0	20.5	21.5	15.0	0.5	5.0	4.5	3.0	9.8
28.5	28.0	*32.5	26.0	17.5	31.0	25.0	11.0	3.5	4.5	11.5	5.0	13.5
*27.5	20.5	15.0	16.5	11.5	24.5	22.5	20.0	11.5	2.5	4.0	3.0	13.0
13.0	11.5	23.0	25.0	20.0	27.0	*33.5	26.0	16.0	9.0	5.0	1.5	12.2
9.0	11.0	16.5	24.5	26.5	29.5	27.5	*31.5	30.0	24.0	21.0	21.0	12.8
13.0	12.0	16.0	21.0	29.5	*31.0	27.5	17.0	4.5	4.0	4.0	5.0	10.3
6.5	8.5	19.5	*20.0	13.5	12.5	5.5	2.0	2.5	5.5	3.5	3.0	7.6
7.5	6.0	4.5	5.5	11.5	*13.5	10.5	6.5	7.5	4.0	4.0	1.0	5.0
12.0	17.5	24.5	*25.0	21.0	11.5	9.0	10.5	9.0	5.0	6.0	2.0	8.8
24.0	19.5	21.0	15.5	13.0	19.5	12.0	13.5	4.5	5.5	*25.5	18.0	10.5
28.0	31.0	20.0	27.0	27.5	26.0	26.5	14.5	33.0	*36.0	22.0	10.0	17.7
10.5	22.0	26.5	19.5	19.5	24.5	26.0	19.5	21.5	17.5	14.0	16.0	14.4
25.5	26.0	22.5	19.5	19.0	20.5	23.5	13.5	7.5	7.0	13.0	15.0	20.8
34.5	*40.5	34.0	29.0	20.5	15.5	19.5	13.5	16.5	31.0	16.0	8.5	21.5
10.5	12.5	28.0	*29.0	24.0	17.5	18.0	8.5	9.5	8.0	6.0	3.5	16.3
21.0	21.7	23.6	*24.0	22.2	21.1	20.5	17.6	15.0	14.5	12.8	10.5	15.5

FREQUENCY OF THE WIND.

Day.	N. NNW.	NW. WNW.	W. WSW.	SW. SSW.	S. SSE.	SE. ESE.	E. ENE.	NE. NNE.	Calm.
1			20	4					5
2			13	5	1				12
3			7	5					8
4			11	5					
5		1	21	2					
6			24						
7			21	3					
8			11	12					1
9			14	5	3				2
10			16	1					7
11	2	1	8	3			2		8
12	1		5	1			3	4	10
13	8		2	1				5	8
14	6	2	2		2	1	1	2	8
15			1	2	5	3	4		9
16				4	1	2	1	1	15
17		2	7	4				3	8
18			9	6	2				7
19		1	7	9	4				3
20		2	8	6	1				7
21			13	2	1		1		7
22		4	5	4		1	1	2	7
23	3	2	5	2		1	1	4	6
24	1		4	4				1	14
25			8	3	4		1	1	7
26		5	5	2		2	1		9
27		2	14	3		2	1		2
28		3	8	8			1		4
29			10	14					
30			5	15	4				
31		2	4	9	7	1			1
Mean	0.7	0.9	*9.3	4.6	1.1	*0.4	0.6	0.7	5.6

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.
1----	57.35	11.15 p.	*27.4	9.10 a.	97.0	23.7	*53.20	2.30 a.	22.8	10.00 a.	*82.0	20.9
2----	59.20	10.10 p.	29.7	3.55 p.	94.0	24.8	56.45	2.50 a.	22.7	5.05 a.	76.0	20.9
3----	58.70	9.20 a.	30.4	10.00 a.	97.0	24.7	56.40	4.05 p.	23.2	4.50 a.	73.0	22.2
4----	58.55	9.05 a.	30.7	2.00 p.	96.0	24.8	56.10	5.10 p.	23.5	4.20 a.	75.0	22.5
5----	57.95	8.35 a.	29.9	2.30 p.	90.0	24.9	55.64	4.00 p.	25.4	5.00 p.	77.0	23.0
6----	56.45	0.05 a.	29.8	0.30 p.	*87.0	24.8	54.13	3.00 p.	*26.3	0.05 a.	79.0	*23.6
7----	57.05	11.10 p.	29.4	0.35 p.	*98.0	25.2	54.25	4.15 a.	24.8	2.05 p.	81.0	23.2
8----	58.85	10.35 p.	29.6	1.40 p.	91.0	25.1	56.35	2.40 a.	25.3	3.50 p.	78.0	23.1
9----	58.60	9.50 p.	30.3	3.00 p.	92.0	*26.0	56.60	5.05 p.	24.8	1.00 a.	78.0	23.4
10----	58.55	11.40 p.	30.9	10.55 a.	94.0	24.9	55.90	3.45 p.	24.6	6.50 a.	72.0	23.2
11----	59.45	10.20 p.	29.9	3.00 p.	*98.0	24.1	57.10	3.25 p.	23.2	12.00 mn	75.0	22.4
12----	59.65	8.25 a.	30.6	1.40 p.	97.0	24.0	*57.50	2.50 p.	22.7	5.00 a.	68.0	21.4
13----	59.60	8.40 a.	28.4	3.00 p.	97.0	23.5	56.90	3.05 p.	22.7	7.10 a.	79.0	21.4
14----	58.30	0.05 a.	30.4	3.00 p.	97.0	24.8	54.17	3.00 p.	22.7	5.20 a.	63.0	21.6
15----	56.55	11.00 p.	*32.2	2.40 p.	96.0	25.1	53.75	2.40 p.	23.3	5.55 a.	68.0	21.5
16----	57.70	11.00 p.	31.7	11.30 a.	*98.0	25.0	55.25	3.00 a.	23.3	2.45 a.	*65.0	20.8
17----	59.05	11.30 p.	29.2	2.30 p.	*98.0	24.0	56.95	4.20 a.	23.5	6.10 a.	80.0	21.5
18----	58.85	0.10 a.	29.9	1.00 p.	*98.0	24.6	56.20	4.05 p.	23.1	5.50 p.	76.0	21.8
19----	57.95	0.05 a.	28.8	0.15 p.	97.0	*22.8	55.15	4.15 p.	23.3	1.30 a.	75.0	21.4
20----	58.15	10.40 p.	30.7	2.00 p.	97.0	24.2	55.15	2.40 p.	22.7	6.00 a.	69.0	20.9
21----	*60.00	10.30 p.	30.3	3.00 p.	96.0	24.2	56.50	3.20 p.	23.2	4.30 a.	72.0	21.4
22----	59.45	0.05 a.	31.0	3.00 p.	97.0	24.0	56.30	3.45 p.	22.3	5.00 a.	69.0	20.9
23----	58.05	0.05 a.	30.1	1.00 p.	97.0	23.5	55.45	2.30 p.	23.4	12.00 mn	69.0	21.0
24----	57.20	0.05 a.	29.2	4.00 p.	97.0	23.4	55.05	3.20 p.	22.6	1.40 a.	73.0	21.0
25----	57.60	10.35 p.	29.8	2.00 p.	97.0	23.4	55.20	3.20 p.	*22.1	5.10 a.	72.0	21.0
26----	58.80	10.30 p.	29.2	3.00 p.	97.0	23.7	55.85	3.10 a.	22.8	4.00 a.	74.0	21.3
27----	59.30	8.30 a.	27.9	3.15 p.	97.0	23.5	56.55	2.45 a.	23.1	6.10 a.	78.5	*20.2
28----	58.00	0.05 a.	29.3	1.00 p.	97.0	23.4	53.40	4.55 p.	22.9	4.10 a.	76.0	21.1
29----	*55.70	10.50 p.	28.1	1.20 p.	96.0	23.1	53.60	3.45 p.	23.2	6.20 p.	79.0	21.4
30----	57.60	9.40 p.	29.1	0.40 p.	93.0	23.8	54.25	3.00 a.	23.5	3.40 a.	75.0	21.0
31----	57.65	10.05 p.	27.8	2.30 p.	97.0	23.3	55.05	4.45 p.	22.4	7.10 a.	80.0	21.3
Mean	58.25		29.7		95.8	24.2	55.49		23.4		74.6	21.7

GENERAL REMARKS.

Day.	Remarks.	Day.	Remarks.
1----	Squally; some gusts of wind reached 19 and 20 m. p. s.	13----	Frequent drizzle in the morning and at night.
2----	Gusty wind from WSW.; solar halo at noon.	14----	Drizzle and light rain; rainbow at 3 ^h 40 ^m p. m.; lightning in different points at night.
3----	Bands of cirrus from E. to W. in the morning; gusty wind from WSW. in the afternoon.	15----	Showers in the locality in the afternoon; rain and drizzle at night.
4----	Gusty wind from WSW.; lightning to the first quadrant at night.	16----	Thunderstorm in the locality came from the third quadrant in the morning.
5----	Thunderstorm in the first quadrant, with occasional showers in the locality in the afternoon; clouds colored at sunset.	18----	Passing showers from WSW. in the afternoon.
6----	Gusty wind from WSW.	20----	Drizzle in the early morning; bands of cirrus from E. to W. in the afternoon.
7----	Gusty wind from WSW., with heavy rain in the afternoon.	21----	Drizzle and rain in the morning and at night; filaments of cirrus convergent to eastward in the afternoon.
8----	Drizzle and light rain, with gusty wind from WSW.	23----	Veil of cirrus with solar halo.
9----	Bands of cirrus, convergent to the SE., and passing shower in the morning; clouds colored at sunset.	24----	Thunderstorm in the second quadrant in the afternoon.
10----	Clouds colored at sunset; lightning in the first quadrant at night.	25----	Thunderstorm in different points in the afternoon.
11----	Rain in different points in the morning and in the locality in the afternoon.	26----	Drizzle; thunderstorm in the second and fourth quadrants in the afternoon.
12----	Thunderstorm in the first quadrant, with occasional rain in the locality in the afternoon.	30----	Showers from the third quadrant; maximum velocity of wind 20 m. p. s.
		31----	Drizzle and rain, especially in the morning, with some gusty wind from westward.

GENERAL APPEARANCE OF THE SKY.

	Clear.	Cloudy.	Variable.
Early morning -----	0	24	7
Morning -----	0	23	8
Afternoon -----	2	24	5
Evening -----	3	25	3

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REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

ATMOSPHERIC PRESSURE, 700mm +.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	56.50	56.05	55.70	55.70	55.64	55.82	56.15	56.42	56.50	56.64	56.56	56.08
2	56.55	56.00	55.90	55.95	55.71	55.96	56.40	56.86	57.18	57.10	56.83	56.71
3	57.95	57.45	57.25	57.20	57.43	57.66	57.74	58.05	57.82	57.77	57.64	57.28
4	57.90	57.15	57.10	57.05	57.05	57.25	57.70	58.17	58.11	58.22	58.12	57.75
5	56.75	56.50	56.30	55.80	56.32	56.22	56.74	56.85	*57.09	56.54	56.53	56.23
6	55.60	55.20	54.95	54.95	55.03	54.93	55.26	55.90	*56.00	55.89	55.59	55.21
7	55.10	54.95	54.65	54.90	55.15	55.56	56.00	56.24	56.40	56.14	55.74	55.49
8	56.65	56.45	*56.35	*56.35	56.61	57.14	57.32	57.50	57.81	57.65	57.61	57.60
9	58.60	58.10	57.90	57.95	58.25	58.70	59.24	59.45	*59.69	59.60	59.36	58.78
10	58.90	58.55	58.30	58.25	58.33	58.55	59.00	59.27	*59.35	59.20	58.73	58.11
11	57.20	57.00	56.65	56.85	57.05	57.36	57.75	57.84	58.01	57.92	57.60	57.27
12	57.50	56.95	56.70	56.80	56.94	57.21	57.70	58.14	58.04	57.85	57.66	57.32
13	57.10	56.85	56.35	56.20	56.75	56.98	57.53	57.89	*58.00	57.82	57.63	57.27
14	56.70	56.15	56.00	55.95	56.14	56.29	56.80	57.27	57.54	57.53	57.22	56.56
15	57.30	56.90	56.65	56.60	56.80	57.05	57.70	57.95	58.16	58.17	57.92	57.55
16	58.60	57.90	58.10	58.15	58.49	58.71	59.20	59.58	*59.60	59.29	59.14	58.69
17	58.55	58.00	57.95	58.00	58.15	58.82	58.96	59.09	59.29	*59.39	59.17	58.61
18	58.50	58.40	57.80	57.75	58.06	58.13	58.18	59.16	59.17	59.03	58.89	58.20
19	59.20	58.85	58.40	58.45	58.75	58.61	59.04	59.61	59.36	59.48	*59.64	59.02
20	58.15	58.45	58.10	58.15	58.09	58.47	58.41	58.45	58.67	58.63	*58.76	57.93
21	56.75	56.65	56.05	55.65	55.91	56.26	56.83	56.92	57.31	*57.47	56.76	56.06
22	56.05	55.70	55.50	55.40	55.61	55.55	55.95	56.16	56.41	*56.56	56.43	56.01
23	55.65	55.20	54.75	54.70	54.75	54.89	55.49	55.91	56.26	56.11	55.67	55.40
24	56.25	55.80	*55.70	55.75	55.86	55.96	56.75	57.42	57.70	58.02	57.57	57.15
25	58.10	57.65	*57.50	57.60	58.30	58.66	59.46	59.84	59.84	59.85	59.70	59.14
26	59.85	59.75	59.55	59.35	59.58	59.83	60.16	60.42	60.58	*60.64	60.16	59.56
27	58.75	58.45	58.40	58.35	58.45	58.97	59.15	*59.50	59.41	59.34	58.88	58.12
28	58.40	58.05	57.75	57.75	57.99	58.42	58.93	59.40	59.62	59.69	59.38	58.85
29	59.90	59.40	59.15	59.15	59.35	59.99	60.54	61.05	61.23	61.09	60.78	60.25
30	60.45	60.30	60.15	60.20	60.30	60.66	61.29	61.61	*61.68	61.52	61.28	60.58
Mean	57.65	57.29	57.05	57.03	57.23	57.49	57.91	58.26	58.39	58.34	58.10	57.63

TEMPERATURE

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.8	24.5	*24.4	*24.4	24.5	25.1	25.9	27.8	27.3	26.3	28.1	*29.6
2	26.2	26.0	25.6	25.4	25.1	*24.8	25.6	27.8	28.1	29.5	29.2	29.3
3	25.7	26.1	26.2	26.7	26.3	25.2	27.3	28.9	29.4	29.6	30.0	30.0
4	25.0	25.2	25.5	26.0	25.6	25.4	25.9	26.0	25.7	25.6	25.9	26.1
5	*25.1	25.3	25.3	25.3	25.7	25.9	26.0	26.9	27.2	27.6	27.4	28.3
6	24.4	24.4	24.4	24.5	*24.3	24.4	24.9	25.9	26.2	26.4	*27.3	26.0
7	25.3	*25.2	25.7	25.4	25.3	25.3	25.4	26.1	27.3	27.1	28.2	*29.4
8	25.3	25.0	24.7	24.7	24.2	*24.1	24.8	26.0	27.7	28.4	*28.9	27.3
9	24.5	24.3	*24.1	24.2	24.4	24.4	25.9	27.5	28.6	28.6	29.6	29.7
10	24.8	24.6	24.5	*24.4	*24.4	*24.4	24.7	25.6	28.1	28.7	28.9	29.4
11	25.9	25.8	25.3	25.1	*24.8	*24.8	25.2	27.9	28.9	29.4	29.6	29.6
12	25.5	25.5	25.1	24.6	*24.4	24.5	25.8	27.8	28.7	29.3	29.2	29.4
13	26.7	25.8	25.4	25.1	24.7	*24.5	25.2	27.7	29.4	30.7	30.1	29.9
14	25.7	25.6	25.3	25.0	24.7	*24.6	26.4	28.2	29.4	29.2	29.5	30.4
15	25.7	25.4	25.1	24.8	24.5	*24.1	25.9	28.3	29.9	31.2	31.7	31.8
16	27.0	25.0	24.6	24.5	*24.4	*24.4	25.7	28.3	28.8	29.4	30.2	30.6
17	26.0	26.4	26.2	26.0	25.6	*25.4	26.4	26.2	28.2	27.9	28.6	29.2
18	26.6	26.6	26.5	26.9	27.2	27.3	27.3	26.6	26.5	27.8	27.9	25.9
19	24.9	24.6	24.6	*24.4	*24.4	24.6	26.7	26.8	27.5	27.3	26.3	25.4
20	26.0	25.4	*24.9	25.3	*24.9	25.7	25.9	26.8	27.8	27.9	27.1	27.4
21	*26.8	*26.8	26.5	*26.8	26.1	24.8	25.1	25.8	26.3	26.6	26.0	26.1
22	25.1	*25.4	25.0	24.3	24.4	24.8	*25.4	24.4	24.4	*22.6	*22.6	22.8
23	23.6	*23.5	*23.5	*23.5	*23.5	23.9	24.4	26.7	25.1	*27.3	*27.3	26.4
24	24.3	24.4	*24.2	24.3	24.3	*24.2	25.5	26.9	27.3	27.2	27.2	*28.4
25	24.9	24.8	24.6	24.5	24.5	*24.4	25.1	25.9	27.2	27.8	28.7	29.3
26	25.6	25.6	25.1	25.0	*24.6	24.7	25.9	27.2	27.8	28.6	29.3	29.2
27	25.5	25.5	25.5	25.3	25.2	25.2	25.2	26.6	28.4	28.9	29.1	29.4
28	25.4	24.9	24.7	24.5	23.9	*23.7	24.9	26.7	27.9	27.9	28.4	29.1
29	24.7	23.7	*23.6	23.8	24.0	24.1	24.8	26.9	27.2	28.1	28.1	27.9
30	24.9	24.8	24.7	24.5	24.2	*24.1	24.4	25.4	27.1	27.7	*29.4	29.2
Mean	25.4	25.2	25.0	25.0	*24.8	*24.8	25.6	26.9	27.6	28.0	28.3	28.4

OBSERVATIONS FOR SEPTEMBER, 1902.

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ATMOSPHERIC PRESSURE, 700mm +.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
55.28	*54.76	54.90	54.94	54.97	55.46	56.00	56.28	56.53	*57.05	56.80	56.50	55.97
56.56	56.18	55.88	*55.68	56.10	56.66	57.06	57.64	58.65	*58.75	58.60	58.40	56.80
56.82	56.23	56.01	*55.96	56.32	56.77	57.25	57.94	58.30	58.60	*58.85	58.60	57.45
57.22	56.81	*56.66	56.75	56.86	57.27	57.62	58.01	*58.29	58.05	57.80	57.40	57.51
55.54	54.86	54.85	*54.37	54.60	55.26	55.85	56.16	56.37	56.40	56.20	55.75	56.00
54.36	54.46	54.15	*54.06	54.22	54.52	55.08	55.13	55.54	55.70	55.60	55.30	*55.11
54.97	*54.29	54.31	54.41	54.67	55.13	55.58	56.09	56.79	57.10	*57.15	56.85	55.57
57.09	56.55	56.69	56.78	56.75	57.71	58.14	58.54	59.04	*59.40	*59.40	59.15	57.51
58.14	57.73	57.62	*57.54	57.76	58.15	58.54	59.14	59.34	59.65	59.60	59.30	58.67
57.36	56.69	*56.08	56.17	56.27	56.49	56.85	57.33	57.85	58.25	58.10	57.55	57.90
56.63	55.91	55.67	*55.64	55.80	56.19	56.66	57.22	57.54	57.75	*58.05	57.85	57.06
56.63	56.04	55.78	*55.68	55.99	56.46	56.90	57.54	57.84	*58.30	58.20	57.75	57.16
56.38	55.87	*55.42	55.44	55.53	55.79	56.38	56.72	57.47	57.65	57.50	57.30	56.83
55.74	55.09	54.88	*54.74	55.03	55.61	56.40	57.00	57.55	*58.25	58.20	57.80	56.52
56.71	56.11	*55.99	56.15	56.72	57.37	57.82	58.63	58.97	*59.40	59.30	59.15	57.54
58.06	57.40	*57.00	57.20	57.43	57.72	58.03	58.57	58.84	59.35	59.25	58.90	58.47
57.83	57.23	*56.84	56.97	57.44	57.57	57.88	58.06	58.61	58.80	58.95	58.85	58.29
58.07	57.60	57.42	*57.28	57.58	57.76	58.40	59.13	59.94	*60.20	60.00	59.60	58.51
58.35	57.86	57.53	57.45	*57.29	57.82	58.16	58.59	59.04	59.15	59.15	59.05	58.66
57.21	57.15	56.95	*56.79	56.91	57.20	57.25	57.04	57.53	57.60	57.30	57.20	57.77
55.74	55.62	55.55	*55.38	56.07	56.37	56.13	56.53	57.10	56.80	56.65	56.50	56.38
55.49	55.02	54.62	*54.54	*54.54	54.75	55.00	55.75	55.93	56.20	56.25	55.90	55.64
55.22	54.67	*54.59	54.80	55.40	55.94	56.16	56.59	*57.00	56.90	56.90	56.60	55.65
56.85	56.78	56.42	56.82	57.45	57.73	58.21	58.51	58.95	59.20	*59.40	58.95	57.30
58.58	58.33	58.13	58.37	58.65	59.01	59.60	60.18	60.59	*60.65	60.45	60.15	59.10
58.98	58.52	57.97	*57.86	58.33	59.14	59.31	59.74	59.89	59.60	59.30	59.05	59.46
57.26	56.64	*56.46	56.62	57.02	57.72	57.90	58.50	58.90	59.15	59.20	58.80	58.33
58.43	58.00	*57.64	*57.64	57.88	58.50	59.02	59.72	60.24	*60.45	*60.45	60.30	58.85
59.40	59.12	59.07	*58.97	59.30	59.72	60.24	60.64	61.14	*61.25	61.00	60.90	60.11
59.93	59.23	*58.97	59.34	59.62	60.06	60.24	61.05	*61.68	61.55	61.60	61.40	*60.61
57.03	56.56	*56.34	*56.34	56.62	57.06	57.46	57.93	58.38	*58.57	58.51	58.23	57.56

TEMPERATURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
*29.6	28.6	29.2	29.0	26.1	26.6	26.2	26.5	26.7	26.8	26.9	26.5	26.7
29.5	*30.3	29.2	29.4	29.0	27.4	27.1	27.3	25.7	26.1	25.9	25.5	27.3
*30.1	*30.1	29.9	29.9	28.2	26.2	26.6	26.2	26.6	26.3	*24.9	25.0	27.6
*26.2	25.4	25.3	25.6	24.8	24.5	*24.1	25.4	24.7	*24.1	*24.1	24.7	25.3
28.3	28.1	*28.6	27.7	26.9	26.2	26.5	25.6	25.9	25.8	25.7	25.8	26.5
26.3	26.3	26.7	26.8	27.0	26.7	26.5	25.6	26.1	26.1	25.9	25.6	25.8
27.4	27.8	28.4	28.3	27.2	26.5	25.8	25.6	25.7	25.7	25.7	25.6	26.5
26.1	26.6	26.8	26.7	26.7	26.6	26.2	26.1	25.6	25.5	25.4	24.9	26.0
29.8	29.9	*30.1	29.7	29.4	28.7	28.3	26.8	25.7	25.7	25.6	25.2	27.1
*30.4	29.9	29.8	30.3	27.2	25.9	25.6	25.6	25.9	25.9	26.0	26.1	26.7
30.6	31.0	31.0	*31.4	30.8	29.7	28.9	28.3	28.3	28.1	26.5	25.7	28.0
29.3	*29.8	29.6	29.6	29.6	28.9	28.6	28.3	27.8	27.8	27.7	27.5	27.7
30.8	*30.9	30.7	30.0	29.3	28.6	28.2	28.0	27.9	27.8	27.3	26.0	27.9
30.4	30.4	*30.5	29.9	29.4	28.8	28.4	28.3	28.2	26.9	26.1	26.0	27.8
32.4	*33.3	*33.3	33.2	31.2	29.9	29.3	28.9	28.5	27.9	27.6	27.5	*28.8
30.9	32.1	*32.7	31.9	30.9	29.8	29.4	29.1	28.8	28.6	27.5	26.7	28.4
29.4	29.4	*29.7	29.0	28.6	28.3	28.2	28.3	27.9	27.2	27.0	27.0	27.6
28.1	28.3	*28.6	28.3	27.5	27.2	26.7	27.1	25.8	25.8	25.8	*25.5	27.0
26.2	*27.8	*27.8	26.7	27.1	26.7	26.2	26.7	26.9	27.3	27.4	26.1	26.3
27.9	28.1	*28.2	27.2	27.0	27.1	27.2	27.5	27.6	27.9	27.4	27.5	26.9
25.6	26.4	24.8	24.6	24.9	24.7	24.5	24.8	24.4	*24.1	24.9	24.8	25.5
23.8	25.1	24.8	25.2	24.8	25.1	24.7	24.0	23.6	23.8	23.6	23.6	*24.3
26.1	26.9	27.1	25.0	25.3	24.7	24.6	24.5	24.3	24.4	24.3	24.0	25.0
27.3	26.6	26.3	26.4	26.2	26.2	26.0	25.5	25.2	25.0	24.9	24.9	25.8
30.0	*30.3	30.0	29.6	29.2	28.4	28.0	27.9	26.6	26.2	26.1	25.8	27.1
30.1	*30.5	30.3	29.6	28.8	25.3	25.0	25.0	25.1	25.3	25.5	25.6	26.9
29.8	*29.9	29.4	29.2	27.2	26.1	26.4	26.1	25.7	25.5	*25.0	*25.0	26.9
29.4	30.3	*30.4	30.2	29.4	28.4	27.8	27.7	26.4	26.4	26.0	25.5	27.1
*28.8	27.4	25.4	25.9	26.6	26.3	26.1	26.0	25.3	25.2	25.1	25.0	25.8
27.3	28.4	28.5	25.6	25.6	25.8	25.8	25.8	25.8	25.6	25.4	25.0	26.0
28.6	*28.9	28.8	28.4	27.7	27.0	26.8	26.6	26.3	26.2	25.9	25.7	26.7

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

RELATIVE HUMIDITY.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	94.0	95.0	96.0	96.0	*97.0	96.0	95.0	88.0	85.0	88.0	82.0	*79.0
2-----	91.0	91.0	93.0	95.0	*97.0	96.0	94.0	83.0	85.0	79.0	76.0	76.0
3-----	95.0	94.0	94.0	93.0	94.0	*97.0	87.0	80.0	76.0	75.0	74.0	75.0
4-----	96.0	92.5	93.0	89.0	91.0	93.0	*86.0	88.0	91.0	91.0	93.0	91.0
5-----	89.0	88.0	88.0	86.0	93.0	91.0	91.0	88.0	*82.0	88.0	89.0	*82.0
6-----	97.0	97.0	97.0	97.0	97.0	97.0	*98.0	95.0	95.0	95.0	93.0	94.0
7-----	95.0	96.0	94.0	96.0	96.0	*97.0	96.0	94.0	89.0	88.0	82.0	*79.0
8-----	93.0	92.0	93.0	95.0	*97.0	*97.0	*97.0	91.0	80.0	79.0	*76.0	87.0
9-----	97.0	97.0	98.0	*99.0	97.0	97.0	91.0	84.0	80.0	78.0	75.0	76.0
10-----	*97.5	97.0	97.0	97.0	97.0	97.0	97.0	96.0	84.0	78.0	77.0	76.0
11-----	86.0	88.0	90.0	92.0	93.0	*94.0	93.0	82.0	76.0	72.0	74.0	71.0
12-----	88.0	85.0	88.0	90.0	*91.0	*91.0	84.5	75.0	74.0	71.0	*68.0	70.0
13-----	83.0	87.0	89.0	91.0	93.0	*95.0	92.0	80.0	72.0	65.0	67.0	68.0
14-----	85.0	85.0	85.0	88.0	92.0	*94.0	90.0	82.0	76.0	78.5	72.0	71.0
15-----	90.0	92.0	92.0	93.0	95.0	*96.0	88.0	81.0	76.0	70.0	67.0	65.0
16-----	86.0	91.0	94.0	*95.0	*95.0	94.0	85.0	79.0	78.0	76.0	73.0	70.0
17-----	89.0	91.0	91.0	91.0	93.0	*94.0	*94.0	89.5	80.0	86.0	81.0	77.0
18-----	86.0	83.0	85.0	86.0	86.0	85.0	87.0	89.0	*94.0	86.0	83.0	89.0
19-----	92.0	93.0	94.0	95.0	*96.0	94.0	83.0	88.0	84.0	87.0	85.0	91.0
20-----	85.0	88.0	92.0	*93.0	92.0	87.0	90.0	81.0	80.0	84.0	87.0	87.0
21-----	84.0	84.0	87.0	90.0	90.0	92.0	94.0	91.0	*83.0	86.0	89.0	90.0
22-----	96.0	95.0	98.0	96.0	96.0	94.0	*92.0	97.0	95.0	97.0	97.0	*99.0
23-----	97.0	97.0	97.0	97.0	97.0	95.0	96.0	90.0	93.0	89.0	90.5	90.0
24-----	*99.0	98.0	*99.0	97.0	97.0	97.0	93.0	87.0	*84.0	85.0	88.0	*84.0
25-----	92.0	92.0	92.0	92.0	92.0	*94.0	*94.0	92.0	83.5	82.0	80.0	73.0
26-----	91.0	88.0	91.0	90.0	93.0	91.0	85.0	78.0	78.0	78.0	74.0	76.0
27-----	92.0	91.0	90.0	91.0	91.0	92.0	92.0	86.0	77.0	73.0	74.0	*71.0
28-----	90.0	*91.0	90.0	89.0	*91.0	89.0	87.0	77.0	74.0	74.0	74.0	73.0
29-----	83.0	84.0	85.0	86.0	86.0	91.0	88.0	76.0	73.0	71.5	*71.0	74.0
30-----	89.0	89.0	91.0	92.0	*95.0	94.0	*95.0	91.0	82.0	79.0	*72.0	74.0
Mean	90.9	91.0	92.1	92.6	*93.7	*93.7	91.2	86.0	82.0	81.0	79.4	79.3

VAPOR PRESSURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	21.9	*21.7	*21.7	*21.7	22.0	22.7	23.6	*24.5	22.9	22.3	23.3	*24.5
2-----	23.1	22.8	22.8	22.9	22.9	22.3	23.0	23.1	24.0	*24.4	23.0	22.9
3-----	23.3	23.4	23.6	24.1	23.7	23.0	23.4	23.6	23.0	22.9	23.4	23.8
4-----	22.6	22.1	22.7	22.1	22.1	22.5	21.4	22.0	22.3	22.2	*23.0	22.9
5-----	21.1	21.0	21.0	*20.6	22.7	22.6	22.7	23.2	21.9	24.2	24.1	23.3
6-----	21.9	22.1	22.1	22.0	*21.8	22.1	22.8	23.6	24.0	24.3	*25.0	23.5
7-----	22.8	22.9	23.1	23.1	23.0	23.2	23.1	23.7	*24.0	23.5	23.4	23.9
8-----	22.2	21.6	*21.5	21.9	21.7	21.7	22.5	22.7	22.0	22.7	22.5	23.4
9-----	22.0	22.0	*21.9	22.2	22.1	*21.9	22.6	22.8	23.1	22.7	22.9	23.5
10-----	22.6	22.2	22.0	22.1	22.1	22.1	22.5	23.3	*23.7	22.9	22.8	23.0
11-----	21.4	21.9	21.5	*21.7	21.7	21.9	22.2	22.7	22.4	22.1	22.8	21.9
12-----	21.3	20.7	20.7	20.7	20.6	20.7	20.9	20.9	21.7	21.5	20.4	21.4
13-----	21.5	21.5	21.5	21.5	21.5	21.7	21.8	22.0	*22.1	21.2	21.2	21.3
14-----	20.8	20.8	*20.4	20.8	21.4	21.6	23.1	23.4	23.3	*23.6	22.0	22.9
15-----	22.1	22.1	21.9	21.7	21.7	21.4	21.8	23.2	*23.8	23.6	23.3	22.7
16-----	22.7	21.3	21.6	21.7	21.6	21.3	20.9	22.5	22.8	23.0	23.2	23.0
17-----	*22.1	23.3	23.1	22.8	22.8	22.7	*24.2	22.7	22.8	24.1	23.6	23.3
18-----	22.2	*21.4	21.8	22.8	23.0	22.9	23.4	23.0	24.0	23.9	23.2	22.2
19-----	21.4	21.4	21.6	21.6	21.7	21.6	21.5	23.0	22.8	*23.4	21.6	21.9
20-----	21.3	21.3	21.6	22.2	21.4	21.3	22.4	21.2	22.2	23.4	23.2	23.5
21-----	22.0	22.0	22.4	*23.7	22.6	21.3	22.3	22.4	*21.2	22.2	22.3	22.6
22-----	22.7	22.9	*23.0	21.6	21.7	21.9	22.1	21.9	21.6	*19.7	19.9	20.5
23-----	20.9	*20.7	*20.7	*20.7	21.0	20.9	21.7	23.3	22.1	23.9	*24.3	22.9
24-----	22.4	22.3	22.2	22.0	22.0	21.8	22.4	22.9	22.5	22.8	23.6	24.2
25-----	21.6	21.5	21.2	*21.1	*21.1	21.3	22.3	22.8	22.4	22.8	23.5	22.1
26-----	22.1	21.4	21.5	21.2	21.4	21.0	21.2	*20.8	21.6	22.6	22.3	*22.8
27-----	22.3	22.0	21.9	21.8	21.7	21.8	21.8	22.4	22.3	*21.5	22.2	21.6
28-----	21.7	21.2	20.8	20.3	20.0	*19.3	20.3	20.1	20.6	20.6	21.2	*21.8
29-----	19.3	*18.3	18.5	18.9	19.2	20.2	20.5	20.0	19.6	20.2	20.1	20.6
30-----	20.9	20.7	21.0	21.1	21.3	21.0	21.6	21.9	21.8	21.9	21.8	22.3
Mean	21.9	*21.7	*21.7	21.8	21.8	*21.7	22.2	22.5	22.5	22.7	22.6	22.7

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RELATIVE HUMIDITY.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
*79.0	82.0	*79.0	*79.0	90.0	90.0	93.0	87.0	88.0	89.0	87.0	90.0	88.5
76.5	*66.0	76.0	77.0	78.0	89.0	90.0	81.0	94.0	93.0	93.5	96.0	86.1
*73.0	*73.0	75.0	77.0	82.0	95.0	90.0	94.0	93.0	90.0	94.0	96.0	86.1
89.5	94.0	94.0	93.0	97.0	*99.0	98.0	93.0	97.0	94.0	92.0	92.0	92.8
83.0	*82.0	*82.0	88.0	*94.0	91.0	90.0	92.0	93.0	93.0	92.0	93.0	88.7
94.0	92.0	*87.0	90.0	90.0	91.0	92.0	92.0	94.0	93.0	93.0	94.0	93.9
84.0	84.0	82.5	84.0	86.0	90.0	92.0	93.0	94.0	96.0	*97.0	95.0	90.8
94.0	93.0	91.0	91.0	91.0	90.0	94.0	94.0	96.0	96.0	94.0	95.0	91.5
73.0	72.0	*71.0	77.0	76.0	80.0	82.0	89.0	93.0	93.0	94.0	94.0	86.0
70.0	*69.0	73.0	73.0	83.5	91.0	90.0	93.0	91.0	91.0	93.0	93.0	87.5
68.5	69.0	62.0	64.0	*59.0	64.5	71.0	72.0	72.0	74.0	83.0	88.0	77.4
73.0	73.0	70.0	75.0	71.0	73.0	71.0	69.0	73.5	75.0	74.0	76.0	77.0
64.0	*59.0	61.0	67.0	70.0	73.0	74.0	75.0	72.0	73.0	78.0	83.0	*76.3
73.0	*70.0	72.0	71.0	74.0	75.5	75.0	79.0	80.0	86.0	91.0	91.0	80.7
56.0	*53.0	56.0	60.0	69.0	70.0	74.0	79.0	78.0	76.0	81.0	82.0	76.6
67.0	61.0	*56.0	64.0	67.0	74.0	78.0	78.0	78.0	78.0	83.0	86.0	78.6
78.0	*76.0	77.0	78.0	80.0	82.0	80.0	82.0	86.0	87.0	86.0	86.0	84.8
82.0	87.0	*81.0	*81.0	85.0	84.0	86.0	85.0	88.0	87.0	89.0	89.0	86.0
83.0	*77.0	82.0	89.0	78.0	81.0	85.0	81.0	83.0	84.0	84.0	85.0	86.4
78.0	81.0	79.5	83.5	82.0	82.0	81.0	*76.0	85.0	82.0	85.0	87.0	84.5
88.0	90.0	*97.0	94.0	92.0	92.0	93.0	95.0	96.0	*97.0	96.0	93.0	91.0
97.0	94.0	96.0	93.0	94.0	94.0	93.0	95.0	97.0	98.0	97.0	97.0	*95.7
89.0	88.0	*87.0	96.0	95.0	96.0	97.0	97.0	97.0	97.0	97.0	*98.0	94.3
90.5	88.0	88.0	89.0	91.0	89.5	85.0	92.0	93.0	94.0	94.0	93.0	91.5
75.0	74.0	76.0	75.0	74.0	79.0	84.0	86.0	84.0	87.0	88.0	89.0	84.6
*67.0	*67.0	69.0	73.0	76.0	94.0	94.0	*95.0	92.0	93.0	91.0	92.0	84.0
72.0	*71.0	76.0	78.0	84.0	88.0	86.0	91.0	94.0	93.0	94.0	*95.0	85.1
66.0	*61.0	*61.0	62.0	67.0	75.0	75.0	75.0	80.0	78.0	81.5	82.0	77.6
73.0	81.0	92.0	92.0	86.0	85.5	91.0	92.0	*93.0	92.5	89.0	90.0	84.4
84.0	79.0	77.0	92.0	94.0	94.0	87.0	81.0	84.0	86.0	86.0	87.5	86.4
78.0	*76.9	77.5	80.2	81.8	85.1	85.7	86.1	88.0	88.2	89.2	90.2	85.8

VAPOR PRESSURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
*24.5	23.8	23.9	23.6	22.6	23.1	23.4	22.4	22.9	23.3	23.0	23.0	23.0
23.4	*21.1	23.0	23.5	23.3	24.1	24.1	21.7	23.1	23.3	23.2	23.2	23.1
23.3	23.3	23.4	*24.3	23.2	24.0	23.4	23.8	24.0	23.0	*22.0	22.6	*23.4
22.6	22.7	22.6	22.5	22.5	22.7	21.9	22.5	22.4	21.0	*20.6	21.2	22.2
23.7	23.3	23.8	24.4	*24.6	23.0	23.0	22.4	23.0	22.8	22.5	22.8	22.8
23.7	23.3	22.7	23.7	24.0	23.7	23.7	22.4	23.4	23.3	23.0	23.0	23.1
22.9	23.5	23.7	*24.0	23.0	23.0	*22.7	22.8	23.1	23.5	23.7	23.2	23.3
23.4	*24.0	23.8	23.7	23.7	23.4	23.6	23.7	23.3	23.2	22.7	22.2	22.8
22.6	22.6	22.7	*23.8	23.3	23.5	23.3	23.3	22.9	22.7	22.9	22.4	22.7
22.4	*21.7	22.8	23.3	22.4	22.6	22.0	22.8	22.6	22.6	23.1	23.3	22.6
22.3	*22.9	20.8	21.8	*19.6	20.0	21.1	20.7	20.7	20.8	21.4	21.5	21.6
22.1	22.6	21.5	*22.9	21.9	21.5	20.7	*19.8	20.5	20.8	20.5	20.6	21.1
21.2	*19.5	20.0	21.3	21.1	21.3	21.2	21.1	20.2	20.2	21.1	20.7	21.2
23.5	22.7	23.5	22.4	22.5	22.2	21.6	22.6	22.8	22.8	22.9	22.7	22.3
20.4	*20.0	21.3	22.8	23.2	21.9	22.5	23.4	22.6	21.1	22.1	22.4	22.2
22.1	21.6	*20.6	22.3	22.4	23.1	*23.7	23.2	22.8	22.8	22.7	22.5	22.3
23.7	23.0	24.0	23.1	23.1	23.3	22.8	23.3	24.0	23.2	22.7	22.7	23.2
23.3	*24.8	23.5	23.2	23.2	22.6	22.3	22.7	21.9	21.5	22.0	21.7	22.8
21.1	21.4	22.6	23.2	*20.9	21.1	21.6	21.1	22.0	22.5	22.9	21.4	21.9
21.8	22.9	22.5	22.4	21.7	21.8	21.6	*20.6	23.4	23.0	23.0	*23.6	22.2
21.6	22.9	22.5	21.6	21.4	21.4	21.3	22.1	21.7	21.7	22.4	21.7	22.1
21.2	22.3	22.3	22.2	21.9	22.3	21.6	21.0	21.1	21.5	21.1	20.9	21.6
22.2	23.2	23.2	22.5	22.7	22.2	22.4	22.3	21.8	21.9	21.8	21.8	22.1
*24.4	22.8	22.3	22.7	23.1	22.6	*21.3	22.3	22.2	22.1	22.0	21.8	22.5
23.5	23.8	23.9	22.9	22.3	22.7	23.5	*24.0	21.8	22.0	22.1	22.0	22.4
21.2	21.8	22.1	22.5	22.4	22.6	22.2	22.4	21.9	22.2	22.0	22.4	21.9
22.4	22.3	23.0	*23.4	22.6	22.1	22.0	22.9	23.1	22.6	22.1	22.4	22.3
20.2	19.6	19.6	19.7	20.4	21.5	20.8	20.7	20.5	19.9	20.3	19.9	*20.5
21.4	22.1	22.1	22.8	22.4	21.7	*22.9	*22.9	22.2	22.0	21.1	21.2	20.8
22.5	22.7	22.2	22.4	22.9	*23.2	21.5	*20.1	20.7	21.0	20.7	20.6	21.6
22.5	22.5	22.5	*22.8	22.5	22.5	22.3	22.2	22.3	22.1	22.1	22.0	22.3

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

UPPER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Ci. s. NE.	Ci. s.	Ci. s.	Ci. s.		Ci. s.
2		A. cu.				
3	Ci.	Ci.	Ci.	Ci.	Ci.	Ci.
4						
5				A. cu.		
6						
7	A. cu.	A. cu. SE.	Ci. s.	A. cu. SE.	A. cu.	A. cu. SE.
8		A. cu. S.	A. cu. S. by W.	Ci. s.	A. cu.	
9	A. cu.	A. cu. SW.	A. cu. SW.	A. cu.	Ci. cu.	Ci. s.
10	Ci.	Ci. NNW.	Ci. cu.	Ci.	Ci. N. by W.	Ci.
11						
12	A. cu. WSW.	A. cu.	A. cu. WSW.	A. cu.	Ci. cu. WSW.	A. cu.
13	A. cu.	Ci. s. E. by N.	Ci. s. E. by N.	Ci.	Ci. s.	Ci. s.
14	A. cu.	A. cu.	A. cu.	A. cu. N. by E.	Ci. s. E. by S.	Ci. cu.
15	Ci. s.					Ci. s.
16	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
17			Ci. s. SE.			
18	Ci. s.					
19	Ci. s.			Ci. s.	Ci. s.	
20		S.	S.			S.
21						
22						
23	A. cu.	Ci. s.		Ci. s.	A. cu.	
24	Ci. s.	Ci. s.	Ci. s.		A. cu.	A. cu.
25		A. cu. N.	A. cu. N.	A. cu.	A. cu.	Ci. s.
26	A. cu. ENE.	A. cu. NE. by E.	A. cu. N.	A. cu. NE. by E.	A. cu.	A. cu.
27	A. cu. N.	A. cu. N.	A. cu. NNW.	Ci. cu.	N.	A. cu. N. by W.
28	A. cu.	Ci. ENE.			Ci.	Ci.
29	A. cu.	A. cu.		A. cu.		
30		Ci. s. ESE.	A. cu. ESE.	Ci. s.	A. cu.	A. cu.

LOWER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Cu. N. SW.	N. cf. SW.	Cu. N. SW.	Cu. N. WSW.	Cu. N.	Cu. N.
2	Fr. N. WSW.	Cu. N.	N. cf. SW. by W.	Cu. N.	Cu. N.	Cu. N.
3	S. cu.	Cu.	Cu.	Cu.	Cu.	Cu.
4	N. WSW.	N.	N. W. by S.	N.	N. W. by S.	N.
5	N. SW. by W.	N.	S. cu.	N. cf.	Cu. N. WSW.	S. cu.
6	N. WSW.	N. SW. by W.	N. SW. by W.	Fr. N. WSW.	N. SW. by W.	N.
7	Cu. N.	S. cu. SW. by W.	Fr. N. NW.	Cu. N.	Cu. N.	Cu. N.
8	Fr. N.	Cu.	Cu. SE.	Cu. N.	Cu. N.	Cu. N.
9	S. cu.	Cu.	Cu.	Cu. N.	Cu. N.	Cu. N.
10	Fr. N. W.	N. cf.	Cu.	Cu.	Cu.	Cu.
11	Cu. W. by S.	Cu.	Cu. N.	Cu.	Cu.	Cu.
12	S. cu.	S. cu.	Cu.	Cu.	Cu.	Cu.
13	Cu.	Cu. WSW.	Cu.	Cu.	Cu.	Cu.
14	S. cu.	Cu. N.	Cu. N.	Cu.	Cu.	Cu.
15	Cu.	Cu.	Fr. cu. ESE.	Cu.	Cu.	Cu.
16	Cu.	Cu.	Cu. E.	Cu.	Cu.	Cu. N.
17	Cu. N. WSW.	N.	Cu. N. W.	Fr. N. W.	Cu. N. W.	Cu. N.
18	S. cu. SW.	Cu. N. W.	Cu. N. W.	Cu. N. W.	Cu. N.	Cu. N.
19	S. cu. W.	N. cf. W.	N. cf. W.	Fr. N. W.	Fr. N.	Cu. N.
20	Fr. N.	N. NW.	N. NW.	Fr. N.	Fr. N.	Fr. N.
21	Fr. N. W.	Fr. N. W. by W.	Cu. N. W.	Fr. N. W.	Fr. N.	Fr. N. WSW.
22	N. WSW.	N.	N. NW.	N. N.	N.	N.
23	S. cu. SW.	S. cu. SW.	Cu. N. SW.	N. cf.	Cu. N.	N.
24	S. cu.	Fr. N. SW.	N. cf. SW.	Fr. N.	Fr. N. SW.	Cu. N.
25	Cu. N.	Cu. N.	Fr. N. NW.	S. cu. ENE.	Cu.	Cu.
26	S. cu.	Cu.	Cu.	Cu.	Cu.	Cu.
27	S. cu. NNW.	S. cu.	Cu. NW.	N. cf. NW.	Cu. NW. by N.	Cu. N.
28	S. cu.	S. cu.	Cu. N.	Cu. ENE.	Cu.	Cu.
29	S. cu.	Cu. E.	Cu.	Cu. E.	S. cu. E.	S. cu.
30	S. cu. E. by S.	S. cu. ESE.	Cu.	Cu.	Cu.	Cu.

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UPPER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Ci. s.	A. cu.	A. cu.	A. cu.	A. cu.	A. cu.
Ci.	Ci. cu. W.	A. cu. W.	Ci. Ci.	A. cu.	A. cu.
	A. cu. NW. by W.		A. cu. WNW.		
A. cu.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	S.
	A. cu.	A. cu. S.	A. cu.	A. cu.	
Ci. s. W.	Ci. s.	Ci. s.	Ci. s.	A. cu. W.	A. cu.
Ci. s.	Ci. s. WNW.	Ci. s. WNW.	Ci. s. E.	Ci. s.	Ci. s.
A. cu.		Ci. s.	Ci. s. E.	Ci. s. E.	Ci. s.
Ci. s.	Ci. s.	A. cu. W.	A. cu.		
		Ci. s. E.	Ci. s. E.	Ci. s.	Ci. s.
Ci.	Ci.	Ci.	A. cu. E. by S.	A. cu.	A. cu.
Ci. s.	Ci. s.	Ci. s. E.	Ci. s.	Ci. s.	Ci. s.
Ci. s.	A. cu. E.	Ci. s. NE.	Ci. s. E.	A. cu.	A. cu.
					A. cu.
Ci. s.	Ci. s.	Ci. s.			
	Ci. cu.				
	A. cu. NNE.	A. cu.	A. cu. NNE.	A. cu.	Ci. s.
Ci. s.	A. cu.	A. cu.	A. cu.		
A. cu.	A. cu.	A. cu.	A. cu.		
A. cu.	Ci.	Ci.	Ci.	Ci.	Ci. s.
Ci.	A. cu.			Ci. s.	Ci.

LOWER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Cu. N.	Cu. N. WSW.	Cu. N. WSW.	Cu. N. WSW.	Cu. N. SW. by W.	S. cu.
Cu.	Cu. N. W. by S.	S. cu.	Cu.	Cu.	S. cu.
Cu.	Cu.	Cu.	Cu.	Cu. N. W.	Cu. N.
N.	N. W. by S.	N. W. by S.	N.	N. WSW.	N.
Cu. N.	Cu. N. W. by S.	Cu. N. W. by S.	Cu. N. W. by S.	Cu. N. WSW.	Cu. N.
Fr. N.	Fr. N. WSW.	Fr. N.	Cu. N.	Fr. N. W.	Fr. N. W.
Cu. N.	Cu. N. WNW.	Cu.	Cu. N.	N. cf.	Fr. cu.
Cu. N.	Cu. N.	Fr. N. SW.	Fr. N. SW.	Cu. N.	Cu. N. SW. by W.
Cu. N.	Cu. N.	Cu. N.	Cu.	Cu. N.	S. cu.
Cu.	Cu.	Cu.	Cu. N.	Cu. N.	Cu.
Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
Cu.	S. cu.	Cu.	Cu.	Cu.	Cu.
Cu. N.	Cu. N.	Cu. N.	S. cu.	Cu. N.	Cu. N. ENE.
Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
Cu.	Cu.	Cu.	Cu.	S. cu.	S. cu.
Cu.	Cu.	Cu.	Cu.	S. cu.	S. cu.
Cu. N.	Cu. N. W. by N.	Cu. N. W.	Cu. N. W.	Cu. N. W.	Fr. N.
Fr. N. NW.	Fr. N.	Fr. N. W.	Fr. N.	Fr. N. W.	Fr. N.
N. cf.	N. cf. W.	Cu. N. W.	Cu. N. W.	N. cf.	Cu. N.
Fr. N.	N. WSW.	N.	N. WSW.	N.	N.
N.	N. W.	N.	N. W.	N.	Fr. N.
N. SW. by S.	Cu. N. SW.	Cu. N. SW.	N.	N. SW. by W.	N.
N. SW.	N.	N. S.	N.	N. SW.	N.
Cu.	Cu.	Cu.	Cu. N.	S. cu.	S. cu.
Cu.	Cu.	Cu.	Cu. N.	Cu. N. N. by W.	Cu. N.
Cu.	Cu. N.	Cu. N. NW.	Cu. N. NW.	Cu. N. WNW.	Cu. N.
Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
S. cu. E.	Cu. N. E.	Fr. N.	Fr. N. E.	Fr. N. E.	S. cu.
Cu. N.	Cu. N.	Cu. N. ESE.	Cu. N.	Cu. N.	S. cu.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.
1	Calm.	SE. 1.0	ESE. 0.5	Calm.	Calm.	SSE. 1.5
2	SSW. 4.0	SW. 2.0	S. 2.0	SSW. 2.5	SSW. 0.5	SE. 0.5
3	SSE. 1.0	SSW. 2.0	SW. 1.0	SW. 3.5	Calm.	Calm.
4	WSW. 9.5	WSW. 10.5	W. by S. 7.0	W. 10.0	W. *13.0	W. by S. 9.0
5	WSW. 5.0	WSW. 3.0	SSW. 3.5	SW. 4.5	SW. 7.0	SW. by S. 5.0
6	SW. by W. 6.5	SW. 4.0	SSW. 1.0	S. 0.5	Calm.	Calm.
7	Calm.	Calm.	Calm.	Calm.	SW. *3.5	S. 1.0
8	N. *3.0	NNW. 1.0	WNW. 0.5	Calm.	Calm.	Calm.
9	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
10	SSE. 2.5	SSE. 0.5	SSE. 0.5	Calm.	Calm.	Calm.
11	WNW. *4.5	Calm.	Calm.	Calm.	Calm.	Calm.
12	Calm.	NW. 2.5	Calm.	Calm.	Calm.	Calm.
13	Calm.	NW. 1.0	Calm.	Calm.	Calm.	Calm.
14	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
15	SE. 1.0	Calm.	ESE. 1.5	ESE. 0.5	ESE. 0.5	Calm.
16	Calm.	ENE. 0.5	E. 1.0	E. 1.0	Calm.	Calm.
17	Calm.	WSW. 2.0	WNW. 0.5	Calm.	Calm.	Calm.
18	WSW. *17.0	W. by S. 10.5	W. by S. 7.0	WSW. 7.0	WSW. 7.0	W. by S. 5.0
19	Calm.	Calm.	Calm.	Calm.	ENE. 1.0	Calm.
20	NW. 5.0	NW. 1.0	NW. 2.5	WNW. 3.5	WSW. 1.5	WSW. 3.5
21	W. by N. *13.5	W. 11.0	W. 4.0	WSW. 10.0	WSW. 11.0	WSW. 5.0
22	WSW. 6.5	WSW. 8.5	W. *10.0	NW. 3.0	WSW. 6.0	WSW. 6.0
23	SE. 1.5	SE. 1.0	SE. 1.0	SE. 1.5	SE. 0.5	Calm.
24	SW. 0.5	Calm.	Calm.	S. 1.0	Calm.	SE. 0.5
25	NNE. 1.0	NE. 1.0	Calm.	Calm.	Calm.	Calm.
26	N. 2.5	N. 3.0	N. 2.0	N. 2.0	N. 2.0	N. 2.0
27	N. 2.5	N. 2.0	N. 2.0	Calm.	Calm.	NE. 2.0
28	N. 1.0	NNE. 0.5	NNE. 1.0	NE. 1.0	Calm.	Calm.
29	E. 1.0	E. 2.0	E. 1.0	Calm.	Calm.	Calm.
30	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
Mean	3.0	2.4	1.6	1.7	1.8	*1.4

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
1	WSW. 6.0	WSW. 6.5	WSW. 3.5	WSW. 6.5	SW. 6.0	SW. 2.0
2	SW. by W. 5.0	WSW. 7.5	SW. by W. 8.0	SW. by W. 6.0	SW. by W. 5.5	WSW. 4.5
3	WSW. 4.5	WSW. 7.5	WSW. 6.0	WSW. 7.0	WSW. 5.5	SW. 3.5
4	WSW. 7.0	SW. 5.0	WSW. 5.0	W. 4.0	Calm.	WSW. 2.0
5	W. by S. 6.5	WSW. 8.5	WSW. 3.0	WSW. 7.5	WSW. 6.0	W. by S. 6.0
6	SW. 3.0	Calm.	SW. 1.0	SSW. 1.5	SW. 2.0	WSW. 3.0
7	S. *3.5	S. 0.5	Calm.	Calm.	SE. 2.0	SSE. 2.0
8	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
9	W. 3.0	W. 2.0	SW. 2.5	Calm.	SW. 2.0	S. 1.5
10	SW. 3.0	SW. 1.5	SW. 2.0	SW. 2.0	NNE. *5.0	E. 2.0
11	SW. 2.0	SW. 3.0	WSW. 3.0	WSW. 2.0	WSW. *4.5	WSW. 3.0
12	WSW. 3.0	SW. 3.0	SW. by W. 4.0	SW. 5.0	WSW. *7.5	SW. by S. 4.0
13	S. 2.0	SW. 2.5	SW. 3.5	SW. *7.5	WSW. 4.5	SW. 4.0
14	WSW. 3.5	WSW. 5.0	WSW. 8.0	WSW. *8.5	SW. 4.0	WSW. 3.0
15	SSW. 2.0	SE. 2.0	SSE. 3.0	SW. 2.5	SW. 1.5	SW. 1.5
16	W. 3.5	W. 1.0	W. 1.0	WSW. 2.0	WSW. 1.0	SW. 1.5
17	SW. 4.0	SW. by W. 6.0	SW. by W. 5.0	SW. 5.0	SW. 4.5	SW. 6.0
18	WSW. 3.5	WSW. 4.5	WSW. 7.0	W. by S. 5.0	WSW. 8.0	WSW. 8.0
19	WNW. 6.0	WNW. 5.0	WSW. 3.5	W. 4.0	WSW. 3.5	NW. 2.5
20	WSW. 6.0	WSW. 6.0	W. by S. 5.0	W. 6.5	WSW. *9.0	WSW. 3.0
21	SW. by W. 9.0	WSW. 11.0	SW. 5.0	SW. 12.0	SW. 6.0	SW. 5.0
22	SW. 6.0	WSW. 6.5	WSW. 9.0	SW. 8.0	SW. 8.0	SW. 5.0
23	SSE. 1.5	ESE. 0.5	SE. 3.0	S. 1.5	SSW. 4.5	Calm.
24	S. 1.5	SSW. 2.0	SW. 1.5	Calm.	SW. 1.0	SSW. 1.5
25	WSW. 2.0	WSW. 1.0	W. 1.5	W. 1.0	WNW. 1.0	Calm.
26	WSW. 2.5	WSW. 3.0	WSW. 3.5	WSW. 3.0	WSW. *4.0	Calm.
27	SW. 3.0	WSW. 5.0	WSW. 4.0	SSW. 0.5	N. 1.0	WNW. *6.0
28	W. 0.5	WSW. 1.0	WSW. *3.0	WSW. 1.5	WSW. 2.5	SSW. 2.5
29	NNE. 1.0	ENE. *4.0	E. 1.5	NE. 1.0	Calm.	Calm.
30	WSW. *2.5	WNW. 1.0	WNW. 1.5	N. 2.0	SE. 0.5	Calm.
Mean	3.6	3.7	3.6	*3.8	3.7	2.8

OBSERVATIONS FOR SEPTEMBER, 1902.

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WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
E.	1.0	Calm.		SW.	1.0	WSW.	5.0	SSW.	*7.5	SW.	2.0
SSE.	0.5	S.	3.0	SSW.	3.5	SSW.	3.5	WSW.	7.0	WSW.	7.5
S.	2.0	S.	2.5	SSW.	2.5	SW.	3.0	WSW.	6.0	WSW.	7.0
WSW.	*13.0	WSW.	12.0	W.	7.0	WSW.	9.0	WSW.	8.0	WSW.	10.0
SW.	3.5	W. by S.	5.0	WSW.	*12.0	SW.	7.0	W. by S.	4.5	W. by S.	2.5
Calm.		Calm.		SSW.	1.0	Calm.		S.	1.0	W.	*8.0
Calm.		Calm.		Calm.		Calm.		SW.	2.0	SW.	3.0
Calm.		Calm.		Calm.		WSW.	1.5	W.	2.0	Calm.	
Calm.		Calm.		WSW.	1.0	WSW.	2.0	WSW.	0.5	WSW.	1.5
Calm.		Calm.		Calm.		SW. by S.	0.5	Calm.		W. by S.	3.0
Calm.		Calm.		Calm.		NW.	3.5	SW.	1.5	W.	3.0
Calm.		Calm.		WSW.	1.0	WNW.	1.0	W.	3.0	WSW.	4.0
Calm.		Calm.		Calm.		S.	1.5	SSW.	3.5	WSW.	4.5
Calm.		SSE.	1.0	S.	0.5	Calm.		SW.	2.5	SW.	1.5
Calm.		Calm.		Calm.		Calm.		S.	1.0	WSW.	2.5
ENE.	1.0	ENE.	0.5	SSW.	0.5	W.	1.5	WSW.	3.5	W.	2.5
Calm.		SW.	2.5	Calm.		SW.	4.0	SSW.	3.0	S.	3.5
SW.	2.0	Calm.		Calm.		Calm.		SSW.	0.5	WSW.	3.5
W.	3.5	WSW.	9.0	WSW.	6.0	NW.	3.0	WNW.	*15.0	W. by N.	7.0
S. by W.	1.0	W.	5.0	Calm.		WSW.	6.0	WSW.	4.5	WSW.	7.0
WSW.	3.5	WSW.	10.5	WSW.	10.0	WSW.	10.0	WSW.	11.0	SW.	7.0
WSW.	6.0	Calm.		NNW.	7.0	NNE.	5.0	NE.	1.0	Calm.	
Calm.		SE.	0.5	SW.	4.0	ESE.	1.5	ESE.	0.5	SW.	*6.5
SE.	1.0	SSE.	1.5	S.	1.5	S.	2.0	SW.	0.5	WSW.	2.0
Calm.		Calm.		Calm.		NW.	3.0	WNW.	*3.5	W.	3.0
NNE.	1.0	NNE.	2.5	W.	1.5	WSW.	3.5	NW.	1.5	W.	3.0
NE.	1.5	NE.	3.0	NE.	2.0	NW.	2.0	WSW.	2.5	SW.	2.5
Calm.		NE.	1.5	NE.	1.5	W.	1.0	W.	1.0	W.	1.5
Calm.		Calm.		WSW.	0.5	WSW.	1.0	WNW.	1.5	Calm.	
ENE.	0.5	Calm.		Calm.		ESE.	1.0	Calm.		Calm.	
*1.4		2.0		2.1		2.7		3.3		3.6	

7 p.		8 p.		9 p.		10 p.		11 p.		12 m. n.		Mean.
SW.	5.0	SW.	5.0	SSW.	2.5	SW.	1.5	SSW.	2.5	S.	1.5	2.8
WNW.	4.5	WSW.	*9.0	WSW.	5.0	SSW.	3.0	Calm.		SSE.	1.5	4.0
SW.	2.0	SSW.	3.0	SW.	2.5	SW.	4.0	SW.	6.0	SW. by W.	*11.0	3.9
WSW.	1.0	SW.	2.0	Calm.		WNW.	0.5	Calm.		WSW.	0.5	6.0
W.	9.0	WSW.	4.0	Calm.		W.	10.0	W.	6.5	WNW.	3.0	5.5
SSW.	5.0	SW.	5.0	SSW.	1.0	SSW.	2.0	Calm.		Calm.		1.9
Calm.		Calm.		Calm.		Calm.		Calm.		Calm.		0.7
Calm.		SSE.	1.0	Calm.		Calm.		Calm.		Calm.		*0.4
WSW.	5.0	SSE.	3.0	SSE.	3.5	SE.	*6.5	SSE.	3.0	SSE.	3.0	1.7
E.	1.0	Calm.		Calm.		Calm.		Calm.		W.	1.0	1.0
WNW.	3.5	W.	2.5	WNW.	2.5	NW.	3.0	Calm.		Calm.		1.7
WSW.	2.0	WNW.	4.0	WNW.	4.0	WNW.	4.0	WNW.	4.0	WNW.	4.5	2.5
SW.	5.0	W.	5.0	WSW.	5.0	WSW.	3.5	SE.	2.0	Calm.		2.3
WSW.	3.0	Calm.		SSW.	1.0	ESE.	1.0	Calm.		Calm.		1.8
S.	2.0	S.	1.5	S.	3.0	S.	*5.0	SSW.	4.0	SSW.	0.5	1.5
WSW.	2.5	WSW.	*4.0	WSW.	2.5	WSW.	2.5	Calm.		SSE.	1.5	1.5
WSW.	5.5	WSW.	7.0	WSW.	7.5	SSW.	5.0	WSW.	10.0	WSW.	*12.5	3.9
WSW.	9.0	WSW.	8.0	WSW.	13.0	WSW.	10.0	WSW.	8.0	WNW.	2.0	6.1
Calm.		WNW.	1.5	NW.	6.5	WNW.	5.0	NW. by W.	4.5	NW.	5.5	3.8
WSW.	5.0	W.	3.0	WSW.	4.0	WSW.	8.0	W.	5.0	W.	7.0	4.5
SSW.	4.0	SW.	4.0	WNW.	5.0	W.	7.5	WSW.	10.5	WSW.	11.5	*8.2
SSW.	6.5	SSE.	2.5	ESE.	8.0	NW.	1.0	ESE.	3.0	ESE.	2.0	5.2
Calm.		Calm.		WSW.	1.5	SW.	2.0	Calm.		E.	1.5	1.4
SW.	*2.5	Calm.		Calm.		Calm.		NNE.	1.0	NNE.	1.0	0.9
Calm.		Calm.		N.	2.0	N.	2.0	N. by E.	2.5	N. by E.	2.5	1.1
Calm.		ENE.	1.0	Calm.		NNE.	1.5	N.	1.0	NNE.	2.0	2.0
NW.	2.0	N.	0.5	ENE.	0.5	NNE.	1.0	WNW.	1.0	NW.	1.0	2.0
SSW.	1.5	SSW.	1.5	SSE.	1.0	S.	2.0	SE.	1.0	ESE.	1.5	1.2
Calm.		Calm.		Calm.		Calm.		Calm.		Calm.		0.6
Calm.		Calm.		Calm.		SE.	0.5	Calm.		Calm.		*0.4
2.9		2.6		2.7		3.1		2.5		2.6		2.7

WIND—FORCE IN KILOMETERS PER HOUR.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	2.5	4.0	3.0	3.0	3.0	7.0	3.5	2.0	14.0	26.5	21.5	15.0
2-----	8.5	15.5	6.5	5.0	7.5	6.0	5.0	12.0	10.0	11.5	27.5	30.0
3-----	3.5	7.5	6.5	4.5	10.5	3.0	7.0	7.5	10.5	15.0	25.0	29.5
4-----	37.0	35.5	40.5	36.0	38.0	*50.0	46.0	44.0	35.5	30.0	41.0	37.0
5-----	20.0	28.5	16.0	23.0	21.5	30.0	25.0	32.0	35.5	24.5	30.0	21.0
6-----	*27.5	13.5	11.5	7.5	3.0	2.0	0.0	3.0	7.5	4.0	3.0	12.0
7-----	2.5	0.0	10.0	3.5	9.0	8.5	4.0	1.0	0.5	3.0	7.0	10.0
8-----	5.0	7.5	3.0	1.5	4.0	1.5	0.5	0.5	4.5	7.5	*11.5	11.0
9-----	4.0	2.5	2.0	0.5	0.0	2.0	0.0	1.5	5.5	6.5	9.5	9.5
10-----	4.5	5.5	4.0	1.5	2.0	3.5	4.0	4.0	3.0	5.0	7.0	9.0
11-----	14.5	6.5	3.0	3.0	2.5	2.0	4.0	2.5	3.5	10.5	12.5	13.0
12-----	4.0	7.5	5.5	3.5	3.5	4.0	2.0	3.5	8.5	8.5	15.5	14.5
13-----	7.5	3.0	3.5	3.0	3.0	2.5	3.0	4.5	3.5	3.5	10.5	15.0
14-----	3.5	2.0	4.0	3.5	5.0	2.5	2.0	3.0	3.0	3.5	9.0	10.0
15-----	4.0	3.0	4.5	3.5	5.0	3.5	4.5	3.0	3.0	6.0	4.0	9.0
16-----	2.0	4.0	6.0	6.0	4.0	4.0	5.5	5.5	4.0	6.5	12.0	14.0
17-----	5.0	3.5	6.0	3.0	2.0	2.0	4.0	7.0	8.0	9.0	15.0	11.5
18-----	46.0	38.0	27.0	25.0	25.0	21.0	15.0	7.5	3.0	3.0	10.5	20.5
19-----	3.5	2.0	1.5	5.5	3.0	1.5	4.0	18.0	26.0	18.5	15.5	*43.5
20-----	12.0	7.5	5.5	6.0	18.0	7.5	7.0	9.5	8.0	21.0	*34.0	32.5
21-----	29.5	30.0	17.0	24.0	34.5	31.0	22.0	25.0	39.5	29.0	34.0	29.5
22-----	36.0	30.5	*39.5	28.0	8.5	22.5	26.5	17.0	9.0	18.0	12.0	7.0
23-----	8.0	5.0	5.0	5.0	5.5	3.0	6.0	9.0	13.5	8.0	7.0	8.5
24-----	5.5	1.5	3.5	4.0	3.0	4.5	4.0	7.5	9.5	3.5	3.5	5.5
25-----	6.0	5.5	4.0	2.5	0.5	2.0	0.5	0.0	4.5	10.0	10.0	*15.5
26-----	11.0	10.0	12.0	12.5	9.0	7.5	7.0	8.5	11.0	15.0	11.0	12.5
27-----	11.0	8.5	8.5	5.0	2.0	4.0	8.0	8.5	10.0	10.0	10.5	13.5
28-----	6.0	7.0	5.5	6.0	5.0	4.0	3.5	6.0	11.5	5.5	*13.0	12.5
29-----	8.5	10.0	5.5	2.5	2.0	3.5	0.5	2.5	5.5	10.0	10.5	10.0
30-----	5.0	3.0	3.0	2.0	2.5	2.5	3.5	1.5	1.0	3.5	4.5	7.0
Mean.	11.4	10.3	9.1	8.0	8.1	8.3	*7.6	8.6	10.4	11.2	14.6	16.3

AMOUNT OF CLOUDS (0-10).

Day.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	Mean.
1-----	10	8	6	6	7	8	8	6	8	5	7	7	8	10	9	9	8	7.6
2-----	5	10	10	9	9	6	1	2	3	10	9	3	7	10	10	10	10	7.3
3-----	6	3	3	3	2	3	4	4	4	4	4	4	8	9	10	10	10	5.4
4-----	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	*10.0
5-----	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	9.9
6-----	10	9	9	10	10	9	10	10	10	10	10	9	10	10	10	10	10	9.8
7-----	10	10	9	8	10	8	8	8	10	9	9	9	9	9	5	3	9	8.4
8-----	9	9	9	8	8	9	9	10	10	10	10	10	9	9	10	10	10	9.4
9-----	10	10	6	6	7	4	4	5	8	8	9	9	9	9	8	9	8	7.6
10-----	9	10	9	9	7	8	6	7	9	9	9	9	8	6	3	9	9	8.0
11-----	9	4	6	3	4	3	2	2	3	3	3	4	5	5	3	2	8	4.1
12-----	3	3	2	8	9	6	3	4	9	8	7	3	1	2	2	1	3	4.4
13-----	9	8	8	8	7	6	5	3	4	4	4	5	6	4	2	2	2	5.1
14-----	5	6	7	6	5	6	4	3	1	1	2	3	6	8	10	10	1	4.9
15-----	3	1	2	1	5	3	4	5	4	3	3	3	3	3	6	7	7	3.7
16-----	2	2	3	2	4	3	5	5	4	5	5	5	9	9	8	10	9	5.3
17-----	7	9	10	10	9	9	9	9	9	9	9	10	10	7	7	8	9	8.8
18-----	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.9
19-----	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	*10.0
20-----	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	*10.0
21-----	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	*10.0
22-----	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	*10.0
23-----	9	8	9	6	9	9	6	10	9	8	10	10	10	10	10	10	10	9.0
24-----	10	7	7	10	10	10	10	8	10	10	10	10	10	10	10	10	10	9.5
25-----	10	10	10	10	10	10	9	7	8	9	9	10	9	9	8	9	8	9.1
26-----	9	8	9	8	5	6	6	3	4	4	6	6	9	10	10	10	10	7.2
27-----	10	10	10	9	8	8	7	4	4	6	6	10	10	10	9	10	10	8.3
28-----	7	6	3	3	5	6	5	3	2	2	2	2	2	3	2	3	3	*3.5
29-----	8	9	9	6	5	5	8	9	9	10	10	10	10	10	9	3	9	8.2
30-----	9	10	10	9	8	8	8	8	9	7	10	10	10	10	10	10	10	9.2
Mean.	8.3	8.0	7.9	7.6	7.8	7.4	7.0	*6.8	7.4	7.4	7.8	7.7	8.3	*8.4	8.1	8.1	*8.4	7.8

OBSERVATIONS FOR SEPTEMBER, 1902.

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WIND—FORCE IN KILOMETERS PER HOUR.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
18.0	14.5	28.0	26.5	*32.5	13.5	13.0	12.5	11.5	6.0	7.0	12.0	12.5
*33.5	31.0	31.0	27.5	28.5	26.0	25.0	19.0	23.5	12.0	5.0	4.5	17.1
31.5	30.5	*33.5	32.5	28.0	26.5	15.0	10.0	10.5	16.0	29.0	33.0	17.8
27.0	28.0	27.5	26.0	9.5	14.5	14.0	11.0	7.5	3.5	2.0	3.0	26.8
26.5	35.5	15.0	25.0	27.0	*38.0	33.5	24.5	13.0	26.0	23.0	17.5	25.5
21.0	11.5	5.0	9.0	13.0	23.0	16.0	16.5	14.5	11.0	6.5	3.0	10.2
*17.0	9.0	1.5	2.5	7.5	9.0	3.5	4.0	3.0	3.0	2.0	1.5	5.1
10.0	3.5	1.0	0.5	0.5	1.5	2.0	2.0	4.5	4.0	3.0	3.0	*3.9
11.5	12.0	14.0	10.0	10.0	15.0	*18.5	14.0	9.0	14.0	8.0	10.0	7.9
9.5	11.0	11.5	11.0	14.0	*15.5	7.5	3.0	0.0	1.5	1.5	1.5	5.9
12.0	10.0	15.0	14.0	*18.0	17.0	17.0	16.0	13.5	11.0	7.0	2.5	9.6
14.0	17.0	22.5	*28.5	26.5	17.5	18.5	20.0	22.0	16.0	18.5	18.5	13.3
15.0	16.5	19.5	*28.0	27.0	27.0	24.0	21.5	19.0	18.5	10.0	5.0	12.2
14.5	16.0	23.5	*28.5	26.5	22.5	17.0	13.0	12.0	5.0	2.5	3.0	9.8
10.5	6.0	12.5	12.5	*16.5	12.5	9.0	7.0	5.5	9.5	11.0	5.5	7.1
9.5	11.5	10.5	10.0	11.0	12.0	17.0	*22.0	18.0	16.0	5.5	4.5	9.2
18.5	25.5	24.0	25.0	25.0	26.5	25.5	29.0	34.0	21.0	27.0	*35.5	16.4
14.5	11.5	23.5	21.0	26.5	35.5	37.0	36.5	49.0	*54.5	48.0	18.5	25.7
26.5	27.0	19.5	20.0	19.5	18.0	3.0	9.5	7.0	22.0	17.5	20.5	14.7
*34.0	28.0	27.5	33.0	30.5	22.0	10.0	16.5	21.0	24.5	20.5	18.0	18.9
19.0	45.5	36.5	34.5	*50.0	24.5	16.5	13.0	17.5	23.0	32.0	33.5	*28.8
23.0	36.0	35.0	32.0	27.0	22.5	19.5	10.0	11.5	13.0	5.5	7.0	20.7
*18.5	9.0	12.0	14.0	13.0	8.0	1.0	2.5	7.0	8.5	2.5	4.5	7.7
9.0	6.5	*10.5	5.0	4.5	9.0	6.5	2.5	3.5	3.5	6.0	5.5	5.3
14.5	10.0	9.5	10.0	12.0	8.0	6.5	7.0	8.5	12.5	11.5	12.0	7.6
10.0	10.5	12.5	14.5	*15.5	9.0	4.0	3.0	4.5	7.0	4.5	8.0	9.6
12.5	15.0	18.0	14.0	8.0	*19.5	16.5	5.5	5.0	6.5	7.0	4.0	9.6
12.0	9.0	11.0	12.0	12.5	12.5	9.0	5.0	5.5	9.0	8.0	4.0	8.1
5.5	9.0	*15.5	5.5	5.0	1.0	0.5	1.0	3.0	3.0	3.5	5.0	5.4
9.5	*14.0	12.0	10.5	7.5	1.5	2.0	3.5	4.0	4.5	4.5	5.0	4.9
16.9	17.3	18.0	18.1	*18.4	17.0	13.6	12.0	12.3	12.8	11.3	10.3	12.6

FREQUENCY OF THE WIND.

Day.	N. NNW.	NW. WNW.	W. WSW.	SW. SSW.	S. SSE.	SE. ESE.	E. ENE.	NE. NNE.	Calm.
1			5	10	2	2	1		4
2		1	10	7	4	1			1
3			8	11	3				2
4		1	18	2					3
5		1	16	6					1
6			3	11	2				8
7				3	4	1			16
8	2	1	2		1				18
9			7	2	5	1			9
10			2	5	3		2	1	11
11		5	6	3					10
12		7	7	3					7
13		1	5	6	2	1			9
14			6	4	2	1			11
15			1	6	6	5			6
16			12	2	1		5		4
17		1	9	7	1				6
18		1	18	2					3
19		11	6				1		6
20		4	18	1					1
21		2	15	7					
22	1	2	8	5	1	3		2	2
23			1	4	2	10	1		6
24			1	7	5	2		2	7
25	2	3	5					4	10
26	7	1	8				1	4	3
27	5	5	3	3			1	5	2
28	1		8	3	2	2		5	3
29		1	2				5	2	14
30	1	2	1			3	1		16
31									
Mean	*0.6	1.7	*7.0	4.0	1.5	1.1	*0.6	0.8	6.6

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.
1----	57.10	9.50 p.	29.8	0.50 p.	97.0	24.5	54.70	2.10 p.	22.8	3.15 a.	79.0	21.7
2----	58.90	9.45 p.	30.3	2.00 p.	97.0	24.4	55.65	3.40 p.	23.4	5.50 a.	66.0	21.1
3----	58.95	10.35 p.	30.1	1.40 p.	97.0	24.3	55.95	4.05 p.	23.1	10.20 p.	73.0	22.0
4----	58.50	0.05 a.	26.7	3.15 a.	*99.0	23.0	56.60	3.05 p.	22.6	11.15 p.	36.0	20.6
5----	57.30	0.05 a.	28.6	3.00 p.	94.0	24.6	54.37	4.00 p.	23.2	0.05 a.	82.0	20.6
6----	*56.10	8.35 a.	27.5	10.50 a.	98.0	*25.0	*53.90	4.25 p.	22.7	0.35 a.	87.0	21.8
7----	57.20	10.50 p.	29.6	0.35 p.	97.0	24.0	54.25	1.55 a.	23.6	1.50 a.	79.0	*22.7
8----	59.45	10.30 p.	29.0	11.30 a.	97.0	24.0	56.20	3.30 a.	22.6	6.05 a.	76.0	21.5
9----	59.69	9.00 a.	30.1	2.30 p.	*99.0	23.8	57.50	3.25 p.	22.7	3.00 a.	71.0	21.9
10----	59.40	8.25 a.	30.4	1.00 p.	97.5	23.7	56.08	3.00 p.	22.8	6.30 a.	69.0	21.7
11----	58.10	8.50 a.	31.7	3.55 p.	94.0	22.9	55.50	3.10 p.	23.2	6.40 a.	59.0	19.6
12----	58.30	10.00 p.	29.8	2.50 p.	*91.0	22.9	55.65	3.15 p.	23.1	5.40 a.	68.0	19.8
13----	58.05	8.45 a.	30.9	2.00 p.	95.0	22.1	55.40	3.15 p.	22.9	5.55 a.	59.0	19.5
14----	58.25	10.00 p.	30.5	3.00 p.	94.0	23.6	54.70	3.50 p.	23.2	6.05 a.	70.0	20.4
15----	59.45	10.15 p.	*34.4	2.50 p.	96.0	23.8	55.95	3.10 p.	22.4	6.00 a.	*53.0	20.0
16----	59.65	8.10 a.	32.7	3.00 p.	95.0	23.7	56.85	3.30 p.	23.0	6.15 a.	56.0	20.6
17----	59.40	9.50 a.	29.7	3.00 p.	94.0	24.2	56.80	3.10 p.	*24.0	6.10 a.	76.0	22.1
18----	60.30	10.30 p.	28.8	2.50 p.	94.0	24.8	57.10	3.25 p.	23.5	12.00 mn	81.0	21.4
19----	59.65	8.15 a.	28.0	2.40 p.	96.0	23.4	57.15	4.45 p.	22.2	4.50 a.	77.0	20.9
20----	58.85	10.45 a.	28.3	2.30 p.	93.0	23.6	56.75	4.10 p.	23.3	4.00 a.	76.0	20.6
21----	57.47	10.00 a.	28.4	0.50 a.	97.0	23.7	55.30	3.50 p.	22.4	9.20 p.	83.0	21.2
22----	56.65	9.30 a.	*26.2	1.55 a.	*99.0	23.0	54.50	3.35 p.	*20.9	10.40 a.	*92.0	19.7
23----	57.00	9.00 p.	28.7	11.50 a.	98.0	24.3	54.55	2.50 p.	22.1	2.50 a.	87.0	20.7
24----	59.40	11.00 p.	28.4	12 m.d.	*99.0	24.4	55.65	3.10 a.	22.9	0.05 a.	84.0	21.3
25----	60.70	9.30 p.	30.3	2.00 p.	94.0	24.0	57.50	3.00 a.	23.1	6.00 a.	73.0	21.1
26----	60.70	9.20 a.	30.7	2.30 p.	95.0	22.8	57.80	4.05 p.	23.1	5.40 a.	67.0	20.8
27----	59.55	8.05 a.	30.0	2.00 p.	95.0	23.4	56.46	3.00 p.	23.5	4.50 a.	71.0	21.5
28----	60.50	10.05 p.	30.4	3.00 p.	*91.0	*21.8	57.55	3.25 p.	22.2	6.10 a.	61.0	19.3
29----	61.30	9.30 p.	30.1	1.30 p.	93.0	22.9	*58.95	4.30 p.	22.0	3.00 a.	71.0	*18.3
30----	*61.70	9.35 p.	30.4	0.10 p.	95.0	23.2	58.85	3.15 p.	22.7	6.35 a.	72.0	20.1
Mean	58.92		29.7		95.7	23.7	56.14		22.8		73.5	20.8

GENERAL REMARKS.

Day.	Remarks.	Day.	Remarks.
1----	Drizzle and passing showers from WSW.	15----	Cirrus colored at sunrise; lunar corona and lightning in the fourth quadrant at night.
2----	Drizzle and light rain in the afternoon; rain in the locality, with gusty wind from WSW. of 20 m. p. s. at night.	17----	Lightning to the SE. in the early morning and in different points at night; some rain and drizzle in the morning.
3----	Thunderstorms in the first and second quadrants, with continuous rain in the locality at night.	18----	Gusty wind from WSW., with some rain and drizzle in the morning.
4----	Rainy day, with gusty wind from WSW.	19----	Some showers.
5----	Drizzle and passing rain, with some gusty wind from the third quadrant.	20----	Drizzle and rain, especially in the morning.
6----	Rain in the morning and drizzle in the afternoon.	21----	Gusty wind from the third quadrant (maximum velocity 18 and 19 m. p. s.), with rain and drizzle.
7----	Rain in the early morning; lightning to the NNW. at night.	22----	Continuous drizzle and rain; lightning toward the SE. in the evening.
8----	Some rain, with thunder toward the S. in the forenoon.	23----	Drizzle and rain in different hours.
9----	Distant thunderstorms toward the E. and S. in the afternoon.	24----	Drizzle and light rain, convergence of cirro-stratus to westward in the morning; thunder to eastward in the afternoon.
10----	Rain in the early morning; thunderstorm to the N. in the afternoon; clouds colored at sunset.	25----	Lightning and thunder in the north at night.
11----	Convergence of cirro-stratus toward the SE. and clouds colored at sunset.	26----	Thunderstorm to northward in the afternoon, with occasional rain in the locality.
12----	Intense coloration of clouds at sunset.	27----	Thunderstorm to the fourth quadrant, with passing rain in the locality in the afternoon.
13----	Bands of cirrus convergent to the SE.; lightning to the NNW. at night.	29----	Drizzle in the afternoon.
14----	Rainbow in the evening; lightning in the fourth quadrant at night.	30----	Rain in the afternoon; clouds colored at sunset; lightning to the WSW. at night.

GENERAL APPEARANCE OF THE SKY.

	Clear.	Cloudy.	Variable.
Early morning	3	24	3
Morning	0	17	13
Afternoon	2	20	8
Evening	3	23	4

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ATMOSPHERIC PRESSURE, 700mm +.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	61.00	60.65	60.45	60.60	60.85	61.30	61.86	61.96	*62.13	61.87	61.44	60.32
2	60.40	59.95	59.85	59.80	60.01	60.36	60.60	60.97	*60.98	60.92	60.58	59.79
3	59.45	59.20	59.10	59.10	59.13	59.32	59.74	60.16	60.34	60.53	60.32	59.59
4	60.00	59.50	59.35	59.35	59.61	60.06	60.29	60.84	61.03	*61.06	60.48	59.87
5	60.00	59.85	59.80	59.70	59.83	60.29	60.57	61.09	*61.22	61.13	60.58	59.97
6	60.55	60.80	60.30	60.10	60.25	60.75	61.17	61.44	*61.73	61.57	61.16	60.45
7	60.35	60.05	59.95	59.85	60.09	60.56	60.89	61.07	*61.39	61.09	60.79	59.94
8	60.25	59.85	59.60	59.50	59.77	60.04	60.30	60.53	60.47	60.34	59.83	59.03
9	60.50	59.80	59.70	59.95	60.31	60.57	60.91	61.42	61.67	61.36	60.68	59.93
10	61.10	61.05	60.75	60.90	61.20	61.87	62.43	62.91	*63.09	62.98	62.43	61.77
11	61.90	61.60	61.35	61.20	61.69	62.23	62.80	63.28	*63.57	63.07	62.49	61.86
12	62.15	61.80	61.60	61.70	62.19	62.45	62.97	63.09	*63.10	62.86	62.09	61.46
13	60.60	60.30	59.90	59.70	59.90	60.60	61.07	*61.68	61.67	61.39	61.05	60.17
14	60.00	59.85	59.65	59.50	59.60	60.10	60.54	60.97	*61.23	61.09	60.43	59.56
15	60.00	59.65	59.65	59.70	59.85	60.14	60.55	*60.80	60.78	60.77	60.09	59.26
16	60.15	60.05	60.05	59.90	60.10	60.57	60.89	60.97	61.08	61.13	60.62	60.07
17	61.50	61.40	61.30	61.45	61.73	62.28	62.64	63.17	*63.42	63.27	62.87	62.24
18	62.40	62.15	62.05	61.90	62.15	62.84	63.22	63.52	63.59	*63.63	63.14	62.39
19	62.35	62.05	62.00	61.80	61.93	62.42	62.75	63.01	*63.14	62.90	62.29	61.64
20	61.25	61.05	60.85	60.55	60.89	61.22	61.54	61.59	*61.67	61.59	61.28	60.64
21	60.60	60.05	60.05	59.90	60.01	60.64	60.84	61.24	61.45	61.28	60.85	60.37
22	60.80	60.55	60.00	59.60	60.09	60.48	60.93	61.28	61.45	61.49	60.88	60.53
23	60.50	60.10	59.80	59.90	60.15	60.61	61.06	61.43	*61.47	61.25	60.68	60.13
24	60.45	60.20	60.05	59.95	59.98	60.51	60.77	61.03	*61.32	61.08	60.50	59.89
25	59.90	59.70	59.65	59.75	59.69	60.33	60.58	60.65	60.75	60.48	59.88	59.31
26	60.10	59.65	59.20	59.25	59.73	60.35	60.31	60.52	61.03	60.87	60.60	60.24
27	60.60	60.30	60.10	60.20	60.66	61.10	61.36	61.93	*62.24	61.87	61.43	60.91
28	61.20	60.95	60.35	60.35	60.53	61.05	61.29	61.50	*61.56	61.42	60.94	60.42
29	60.35	59.90	59.80	59.65	59.76	60.36	60.69	60.90	*61.12	61.06	60.39	59.39
30	59.15	58.85	58.30	58.25	58.62	58.94	59.21	59.61	59.97	*60.15	59.72	58.44
31	59.25	59.05	58.15	57.95	58.34	58.76	59.54	*60.01	59.72	59.54	58.80	58.34
Mean	60.61	60.32	60.09	60.03	60.28	60.75	61.11	61.44	*61.59	61.45	60.95	60.26

TEMPERATURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.7	24.5	24.4	24.0	23.9	*23.4	24.1	26.0	27.4	28.6	28.3	29.2
2	25.0	24.8	24.6	24.5	24.4	*24.1	25.2	27.7	28.3	29.4	29.5	30.1
3	25.6	25.0	24.8	24.7	24.6	*24.3	25.8	28.3	29.3	29.8	29.8	30.1
4	25.2	24.9	24.6	*24.3	24.4	24.6	25.3	26.8	28.1	29.4	29.8	30.6
5	25.1	25.0	25.0	24.9	24.5	*24.4	25.7	27.6	29.5	30.2	30.4	31.1
6	25.2	23.9	*23.7	23.8	24.0	24.4	25.9	28.2	29.1	30.1	30.9	31.7
7	25.1	24.8	24.5	24.4	24.4	*23.9	25.2	27.8	28.4	29.2	30.3	29.4
8	25.0	24.7	24.5	23.8	23.5	*23.4	24.6	26.2	28.7	29.1	29.6	*30.6
9	25.1	24.9	24.7	24.4	23.9	*23.3	24.4	27.2	29.0	29.1	*29.4	29.3
10	24.8	24.6	24.6	24.5	24.3	*24.1	24.6	25.6	27.6	28.9	29.3	29.7
11	24.6	24.5	24.2	24.4	23.7	*23.4	23.9	24.9	26.3	28.3	29.9	30.4
12	24.8	24.6	23.7	23.4	22.9	*22.6	23.7	27.1	29.1	30.1	31.0	31.4
13	25.1	25.3	24.6	23.8	*23.3	*23.3	24.3	25.4	25.6	26.7	28.2	30.3
14	24.3	24.1	23.8	23.5	*23.2	23.3	25.7	26.7	29.9	29.4	29.3	30.3
15	25.6	25.2	24.6	24.0	*23.7	*23.7	24.8	28.1	29.4	30.1	30.6	30.6
16	25.8	25.6	25.3	25.0	*24.6	24.7	26.2	28.9	29.5	29.4	30.2	30.1
17	24.5	24.0	23.8	23.4	*23.3	*23.3	24.6	27.2	28.7	28.2	28.3	*30.5
18	24.8	24.8	24.7	24.7	24.7	24.9	25.5	26.5	28.4	28.3	29.4	30.1
19	23.9	24.0	23.8	23.0	22.8	*21.9	23.8	24.1	25.9	27.2	27.8	27.6
20	23.5	22.8	*22.4	22.9	23.1	22.7	24.0	26.5	28.1	29.1	29.8	30.1
21	*23.2	23.3	*23.2	23.8	24.2	23.9	24.8	26.1	26.6	27.7	28.1	28.7
22	24.6	24.2	23.8	23.5	23.0	*22.9	24.8	26.3	28.2	29.1	*31.7	29.7
23	23.1	23.2	23.1	22.2	22.2	*22.1	23.3	25.3	28.4	29.6	29.4	30.7
24	24.5	23.6	22.6	21.8	21.4	*21.3	23.3	26.1	27.6	27.7	27.9	29.2
25	24.8	24.7	24.7	23.9	*23.7	*23.7	24.6	27.2	27.3	28.3	29.8	*30.6
26	24.5	24.3	23.8	23.3	22.7	*22.6	23.3	24.7	26.2	27.7	28.8	*29.9
27	24.2	24.0	23.9	23.6	23.3	*23.2	24.7	27.7	29.2	30.0	29.8	30.1
28	25.7	25.2	24.9	24.4	24.0	*23.4	25.9	28.3	30.5	30.4	30.7	*32.2
29	24.8	24.7	24.4	24.0	23.4	*23.2	23.3	25.0	28.7	28.8	29.4	31.0
30	23.0	23.0	22.9	*22.8	23.1	23.3	25.0	26.2	28.5	29.7	29.6	*31.6
31	24.4	24.2	24.2	24.0	*23.6	23.7	24.4	26.0	27.6	28.8	29.8	*29.9
Mean	24.7	24.4	24.1	23.8	23.6	*23.5	24.7	26.6	28.2	29.0	29.6	*30.2

OBSERVATIONS FOR OCTOBER, 1902.

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ATMOSPHERIC PRESSURE, 700mm +.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
59.67	59.04	*58.67	58.72	58.84	59.08	59.84	60.08	60.49	61.05	61.15	60.65	60.49
59.26	58.66	*58.22	58.36	58.34	58.72	59.15	59.68	60.03	60.60	60.45	60.00	59.82
58.98	*58.23	58.35	58.26	58.67	59.45	59.96	60.54	*60.56	60.20	60.30	60.50	59.58
59.13	59.09	*58.67	58.73	59.11	59.35	60.05	60.29	60.85	61.00	60.80	60.45	59.96
59.42	58.89	58.71	*58.65	58.94	59.54	60.08	60.64	61.17	61.15	61.10	60.90	60.13
59.77	59.18	*58.82	59.00	59.31	59.86	60.34	60.57	60.84	61.10	61.00	60.60	60.44
59.33	59.01	*58.75	59.08	59.57	59.65	60.23	60.97	61.09	61.15	60.95	60.80	60.28
58.29	*57.71	58.15	58.53	58.98	59.17	59.55	60.23	60.63	60.85	60.95	*61.00	59.73
59.88	59.00	*58.79	59.49	59.69	60.06	60.59	61.14	61.69	61.65	*61.75	61.60	60.51
61.29	60.61	*60.36	60.57	60.89	61.33	61.80	62.33	62.49	62.65	62.65	62.25	61.74
61.19	60.65	*60.63	61.02	61.26	61.58	62.19	62.58	62.62	62.70	62.55	62.40	62.02
60.46	59.62	*59.46	59.52	59.76	60.36	60.86	61.38	61.49	61.45	61.40	61.15	61.43
59.66	58.89	*58.64	58.84	59.44	60.11	60.43	60.84	60.91	61.00	60.95	60.55	60.35
59.01	58.44	*57.94	57.97	58.62	59.02	59.66	60.08	60.59	60.75	60.85	60.45	59.83
58.83	58.21	57.65	*57.61	58.21	58.57	59.21	60.07	60.34	60.60	60.75	60.55	59.66
59.57	59.15	*58.90	59.02	59.36	59.56	60.16	60.93	61.52	61.80	*62.00	61.90	60.39
61.42	61.12	60.76	60.82	61.08	61.28	61.82	62.46	62.58	63.05	63.20	62.90	62.07
61.97	61.38	*61.21	61.32	61.58	61.99	62.25	62.83	62.89	63.00	63.00	62.60	*62.46
61.17	60.44	*60.37	60.40	60.84	60.89	61.27	61.79	62.03	62.15	62.10	61.75	61.81
60.11	59.58	*59.53	59.84	60.08	60.15	60.65	61.13	61.29	61.40	61.25	61.00	60.84
59.94	59.53	*59.43	59.66	59.99	60.14	60.94	61.47	61.50	*61.70	61.50	61.05	60.59
60.17	59.49	*59.11	59.29	59.64	60.13	60.55	61.15	61.40	*61.60	61.35	61.00	60.54
59.47	58.87	*58.68	58.76	59.01	59.49	60.27	60.83	61.07	61.00	60.80	60.75	60.25
59.19	*58.49	58.73	58.80	59.36	59.66	60.15	60.64	60.73	60.85	60.40	60.20	60.12
58.94	58.47	*58.11	58.35	58.72	59.36	59.76	60.57	60.60	60.55	*60.80	60.50	59.81
59.56	59.30	59.13	*58.96	59.89	60.25	60.57	60.98	61.24	*61.60	61.15	61.05	60.23
60.33	59.76	59.59	*59.55	60.00	60.29	60.68	61.28	61.55	61.75	61.75	61.35	60.86
59.84	59.32	*58.71	58.96	59.39	59.98	60.39	60.89	61.40	61.35	60.85	60.80	60.56
58.31	57.73	*57.67	57.90	58.49	58.63	59.09	59.56	60.02	60.15	59.95	59.65	59.60
58.02	57.59	*57.28	57.35	57.38	57.91	58.41	59.44	59.32	59.30	59.50	59.35	*58.75
57.83	57.33	*57.14	57.35	58.13	58.70	58.76	59.14	59.36	59.80	59.80	59.50	58.76
59.68	59.12	*58.91	59.05	59.44	59.81	60.31	60.86	61.11	61.26	61.19	60.94	60.44

TEMPERATURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
29.3	30.0	30.7	*31.1	29.8	29.1	28.1	27.2	26.2	25.8	25.6	25.4	27.0
30.1	*30.5	30.1	29.9	29.3	28.5	28.9	28.3	27.9	25.8	25.4	25.5	27.4
31.2	31.3	*32.4	32.3	28.7	27.8	27.3	27.0	26.1	25.8	25.7	25.6	27.6
*31.6	30.4	29.7	29.6	27.7	26.8	25.7	25.5	25.4	25.3	25.2	25.1	26.9
31.1	*31.2	31.0	30.6	29.9	29.3	28.9	28.7	28.3	27.1	26.1	25.6	*28.0
31.9	32.0	*33.1	32.2	27.9	28.1	25.5	25.0	25.4	25.7	25.6	25.5	27.4
*30.6	26.8	27.2	27.6	27.4	26.7	26.3	26.6	26.1	25.9	25.8	25.5	26.7
*30.6	*30.6	29.1	27.6	27.0	26.4	25.3	25.6	25.6	25.5	25.5	25.4	26.6
27.3	27.9	28.3	28.2	28.9	27.8	27.1	26.8	26.1	25.8	25.7	25.4	26.7
28.9	29.4	29.4	*30.1	28.7	27.6	26.5	26.1	25.8	25.5	25.2	24.9	26.7
*31.7	31.4	30.6	29.7	28.9	27.8	26.8	26.3	26.6	26.1	25.8	25.5	26.9
31.7	32.2	*32.3	31.7	31.5	29.4	28.0	27.3	26.9	26.0	25.2	24.7	27.6
*30.6	29.9	29.6	29.9	*30.6	28.2	27.2	26.9	26.5	26.1	25.6	24.7	26.7
*30.6	30.5	28.5	30.2	29.4	28.2	27.2	26.4	26.0	25.9	25.8	25.8	27.0
30.6	31.4	32.2	*32.8	31.3	29.0	27.1	26.2	26.1	26.0	26.2	26.0	27.7
31.3	*32.3	31.9	27.9	28.8	27.7	26.5	26.0	25.5	25.2	25.3	24.9	27.4
30.2	29.5	27.3	28.0	26.7	26.7	26.1	26.1	25.8	25.5	25.3	24.9	26.3
30.9	*31.3	28.9	28.6	28.1	27.2	25.6	25.2	25.1	24.9	24.8	*24.4	26.7
*28.3	28.0	27.8	28.1	28.1	27.1	26.3	26.0	25.4	25.2	25.1	24.9	25.7
31.3	*31.7	29.5	28.3	27.2	26.5	26.2	25.7	24.3	24.3	23.9	23.6	26.1
29.9	*30.1	28.4	27.7	27.2	26.5	25.4	25.0	25.0	24.9	24.5	24.5	25.9
28.7	29.8	29.6	29.9	28.4	27.8	26.5	25.9	25.2	25.1	24.8	23.9	26.6
30.8	31.3	*31.7	30.8	30.4	29.6	28.2	25.8	25.2	25.0	24.5	24.4	26.7
*29.8	29.6	26.6	26.3	25.7	25.7	25.7	25.7	25.4	25.1	25.0	25.0	*25.5
28.4	28.2	29.7	28.6	27.6	26.5	25.9	25.4	25.1	25.0	24.8	24.4	26.4
28.1	27.7	28.3	27.8	27.3	27.3	27.1	26.3	25.6	25.1	24.8	24.5	25.9
30.7	30.3	*31.7	31.0	29.9	27.8	27.0	27.0	26.1	26.2	26.6	26.6	27.3
31.1	31.7	31.6	30.9	28.1	27.9	25.8	25.3	25.3	25.1	25.0	24.8	27.4
*31.7	31.2	31.0	30.5	29.1	27.2	26.5	25.9	25.1	24.9	23.9	23.5	26.7
28.9	27.7	29.2	29.1	27.9	27.1	26.5	25.7	25.7	25.5	25.0	24.6	26.3
29.7	29.2	28.4	28.4	27.9	26.9	25.8	25.6	25.0	24.8	24.8	24.4	26.3
*30.2	*30.2	29.9	29.5	28.6	27.6	26.7	26.2	25.8	25.5	25.2	25.0	26.8

RELATIVE HUMIDITY.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	92.0	93.0	93.0	95.0	95.0	*96.0	93.0	84.0	81.0	75.0	76.0	73.0
2	94.0	95.0	*97.0	*97.0	*97.0	*97.0	92.0	82.0	80.0	74.5	75.0	71.0
3	88.0	92.0	92.0	91.0	91.0	*96.0	92.0	75.0	74.0	69.0	71.0	69.0
4	92.5	93.0	95.0	*96.0	95.0	94.0	93.0	89.0	84.0	77.0	78.0	71.0
5	95.0	95.0	96.0	96.0	*97.0	96.0	91.0	83.0	76.0	71.0	70.0	67.0
6	94.0	98.0	*99.0	*99.0	98.0	97.0	93.0	84.0	74.0	68.0	64.0	63.0
7	95.0	95.0	95.0	96.0	97.0	*99.0	90.0	82.0	80.0	76.0	*70.0	76.0
8	93.0	95.0	96.0	*99.0	97.0	96.0	91.0	85.0	75.0	74.0	72.0	68.5
9	94.0	94.0	94.0	94.0	95.0	*98.0	93.0	80.0	74.0	*72.0	73.0	74.0
10	92.0	93.0	93.0	93.0	*95.0	*95.0	92.0	88.0	79.0	74.0	74.0	72.5
11	89.0	89.0	91.0	88.0	91.0	*92.0	91.0	87.0	81.0	76.0	68.0	66.0
12	86.0	89.0	91.0	91.0	*92.0	*92.0	88.0	78.0	71.0	67.5	66.0	64.0
13	84.0	85.0	89.0	90.0	*93.0	91.0	87.0	88.0	82.0	81.0	79.0	68.0
14	91.0	92.0	94.0	96.0	*97.0	95.0	88.0	83.0	*67.0	73.0	75.0	70.0
15	91.0	88.0	91.0	91.0	91.0	*92.0	88.0	77.0	74.0	71.0	69.0	70.0
16	86.0	87.0	88.0	90.0	*93.0	92.0	86.0	71.0	71.0	73.0	68.0	69.0
17	88.0	88.0	91.0	88.0	90.0	90.0	87.0	74.0	72.0	79.0	78.0	*66.0
18	93.0	93.0	*94.0	*94.0	93.0	91.0	91.0	81.0	73.0	72.0	68.0	67.0
19	85.0	85.0	84.0	88.0	85.0	*89.0	83.0	81.5	78.0	70.0	*68.0	72.0
20	87.0	89.0	90.0	88.0	88.0	89.0	86.0	75.0	70.0	68.0	65.0	65.0
21	*91.0	90.0	90.0	87.0	88.0	89.0	85.0	84.0	79.0	76.0	75.0	72.0
22	91.0	91.0	94.0	93.0	*95.0	*95.0	86.0	81.0	74.0	74.0	*63.5	73.0
23	89.0	90.0	90.0	*92.0	*92.0	91.0	86.0	82.0	70.0	68.0	67.0	*63.0
24	87.0	89.0	90.0	92.0	95.0	95.0	88.0	80.0	75.0	75.0	79.0	*71.0
25	96.0	*97.0	96.0	*97.0	*97.0	*97.0	93.0	83.0	82.0	80.0	69.0	72.0
26	87.0	87.0	90.0	91.0	*94.0	92.0	91.0	87.0	82.0	78.0	71.0	*69.0
27	94.0	94.0	93.0	94.0	*95.0	*95.0	91.0	80.0	76.0	73.0	75.0	71.0
28	87.0	90.0	90.0	92.0	92.0	*95.0	87.0	75.0	69.0	68.0	65.0	*63.0
29	94.0	95.0	95.0	97.0	*98.0	97.0	96.0	94.0	74.0	73.0	70.0	63.0
30	89.0	90.0	91.0	89.0	88.0	86.0	82.0	77.0	73.0	71.0	68.0	*62.0
31	92.0	92.0	91.0	91.0	93.0	*95.0	94.0	87.0	83.0	79.0	71.0	70.0
Mean	90.5	91.4	92.4	92.7	93.5	*93.7	89.5	81.9	75.9	73.4	71.0	*68.7

VAPOR PRESSURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	21.2	21.3	21.2	21.0	20.9	*20.4	20.8	21.0	21.8	21.7	21.7	21.9
2	22.2	22.1	22.2	22.3	22.1	21.7	21.8	22.7	22.7	22.7	23.1	22.4
3	21.4	21.6	21.3	21.0	*20.8	21.6	22.7	21.5	22.3	21.4	22.0	21.8
4	22.0	21.8	21.8	*21.6	*21.6	*21.6	22.2	23.3	23.7	23.5	24.3	23.2
5	22.5	22.4	22.5	22.4	22.0	21.7	22.3	22.8	23.2	22.5	22.4	22.4
6	22.4	21.6	21.6	21.7	21.8	21.9	23.0	23.8	22.2	21.6	21.1	21.9
7	22.5	22.1	21.7	21.8	22.2	21.9	21.4	22.6	23.1	23.0	22.6	23.3
8	22.0	21.9	21.9	21.7	21.0	*20.4	20.8	21.6	22.1	22.2	22.1	22.3
9	22.3	22.0	21.8	21.3	*20.9	*20.9	21.2	21.4	22.0	21.6	22.2	22.4
10	21.5	21.4	21.4	21.3	21.4	21.1	21.2	21.4	21.5	21.9	22.3	22.4
11	20.4	20.3	20.5	20.0	19.7	19.7	20.0	20.3	20.5	21.7	21.3	21.4
12	20.0	20.5	19.7	19.5	19.1	*18.8	19.2	20.9	21.3	21.5	22.2	21.8
13	20.0	20.4	20.4	19.7	19.8	19.4	19.7	21.1	20.0	21.1	22.4	21.9
14	20.6	20.6	20.6	20.6	20.4	*20.1	21.5	21.7	21.1	22.2	22.7	22.6
15	22.1	21.1	20.8	20.1	19.9	20.1	20.5	21.6	22.5	22.6	22.6	22.7
16	21.2	21.2	21.0	21.2	21.4	21.4	21.8	21.1	21.7	22.2	21.7	21.8
17	20.2	19.5	19.9	*18.8	19.1	19.2	20.1	19.8	21.1	22.4	22.3	21.4
18	21.7	21.7	21.8	21.8	21.5	21.2	22.0	20.9	21.0	20.5	20.8	21.2
19	18.7	18.8	18.4	18.3	17.6	*17.4	18.2	18.2	19.5	18.7	18.8	19.8
20	18.7	18.5	*18.2	*18.2	18.4	*18.2	19.0	19.3	19.8	20.2	20.3	20.6
21	19.3	19.2	*18.9	19.1	19.8	19.6	19.8	21.1	20.4	21.1	21.2	21.0
22	20.8	20.5	20.6	20.0	19.8	19.7	20.0	20.6	21.2	22.1	22.1	22.7
23	18.6	19.1	19.0	18.3	18.3	*18.0	18.3	19.6	20.3	20.9	20.4	20.6
24	20.0	19.2	18.4	*17.8	17.9	*17.8	18.7	20.1	20.5	20.7	21.9	21.4
25	22.3	22.3	22.2	21.5	21.0	21.0	21.4	22.2	22.1	22.7	21.6	23.4
26	19.8	19.7	19.7	19.4	19.2	*18.7	19.4	20.2	20.8	*21.5	20.8	*21.5
27	21.1	20.9	20.6	20.4	20.2	*20.0	21.0	22.1	22.8	23.2	23.3	22.6
28	21.3	21.4	21.0	21.0	20.4	*20.3	21.6	21.5	22.4	22.0	21.4	22.4
29	21.9	21.9	21.6	21.4	21.0	20.4	20.3	22.1	21.7	21.6	21.4	21.1
30	18.5	18.7	18.9	18.5	18.4	*18.3	19.3	19.5	21.0	21.9	20.9	21.3
31	21.0	20.7	20.5	*20.1	*20.1	20.6	21.3	21.7	22.8	*23.3	22.0	21.9
Mean	20.9	20.8	20.6	20.4	20.2	*20.1	20.7	21.2	21.6	21.8	21.8	21.9

OBSERVATIONS FOR OCTOBER, 1902.

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RELATIVE HUMIDITY.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
72.0	*69.0	*69.0	*69.0	73.0	75.0	80.0	82.0	90.0	91.0	88.0	90.0	83.1
*68.0	70.0	70.0	73.0	77.0	82.0	77.0	82.0	88.0	89.0	91.0	90.0	83.7
65.0	64.5	*60.0	*60.0	78.0	82.0	82.0	85.0	86.0	89.0	91.0	93.0	80.6
*69.0	73.0	75.0	79.0	87.0	89.0	91.0	91.0	92.0	92.0	93.0	92.0	86.7
*62.0	66.0	64.0	65.0	69.0	73.0	78.0	80.0	82.0	87.0	93.0	93.0	81.0
*59.0	61.0	*59.0	67.0	86.0	85.0	92.0	94.0	94.0	92.0	93.0	93.0	83.6
72.0	81.0	83.0	82.0	86.0	87.0	89.0	86.0	88.0	88.5	88.0	89.0	86.3
*67.0	68.5	74.0	79.0	81.0	84.0	89.0	91.0	92.0	93.0	93.0	93.0	85.2
78.0	81.0	76.0	80.0	79.0	82.0	83.0	85.0	86.0	86.0	88.0	89.0	84.5
76.0	73.0	75.0	*69.0	75.0	80.0	83.0	82.0	84.0	84.0	85.0	87.0	83.1
63.0	65.0	62.0	*61.0	65.0	71.0	77.0	77.0	77.0	81.0	82.0	84.0	78.1
65.0	*63.0	*63.0	66.0	66.0	72.0	74.0	74.0	77.0	81.5	83.0	86.0	*76.9
70.0	*62.0	64.0	68.0	70.0	77.0	83.0	85.0	87.0	89.0	90.0	92.0	81.4
70.0	70.0	80.0	73.0	79.0	78.0	83.0	86.0	90.0	89.0	89.0	90.0	83.2
70.0	66.0	66.0	*65.0	71.0	78.0	75.0	77.0	79.0	81.5	83.0	85.0	78.7
*62.0	63.0	65.0	82.0	77.0	84.0	88.0	81.5	84.0	87.0	84.0	87.0	79.9
70.0	72.0	90.5	85.0	91.0	91.0	*96.0	92.0	88.0	89.0	92.0	92.0	85.0
67.0	*63.0	67.0	69.0	71.5	75.0	74.0	76.5	78.0	79.0	79.0	81.0	78.8
72.0	69.5	70.0	72.0	77.0	80.0	84.0	81.0	83.0	84.0	83.0	83.0	79.5
63.0	*54.0	60.0	70.0	73.0	78.0	78.0	81.0	*91.0	89.0	*91.0	90.0	78.2
69.0	*65.0	70.0	73.0	77.0	78.0	83.0	90.0	90.0	89.0	90.0	*91.0	82.1
83.0	73.0	74.0	65.0	70.0	73.0	78.0	80.0	83.0	83.0	84.0	87.0	81.0
65.0	64.0	64.0	69.0	70.0	71.0	72.0	78.0	80.0	82.0	85.0	87.0	77.8
*71.0	72.0	92.0	93.0	94.0	95.0	94.0	93.0	94.0	*96.0	*96.0	*96.0	*87.6
82.5	76.0	*66.0	74.0	75.0	83.0	84.0	85.0	85.0	85.0	86.0	88.0	84.5
75.0	76.0	74.0	76.5	78.0	78.0	79.0	81.0	86.0	88.0	91.0	92.0	83.1
71.0	75.0	70.0	*65.0	*65.0	73.5	80.0	77.5	85.0	84.0	84.0	83.0	81.0
66.0	66.0	69.0	72.0	87.0	83.0	93.0	92.0	93.0	93.0	94.0	*95.0	82.3
*61.0	66.0	66.0	61.5	64.0	68.0	66.5	71.0	83.0	82.0	85.0	87.0	79.5
70.0	81.0	74.0	75.0	78.0	81.0	84.0	88.0	87.0	86.0	89.0	*92.0	81.3
69.0	*68.0	74.0	74.0	79.0	86.0	87.0	86.0	91.0	91.0	90.0	90.0	84.3
69.1	68.9	70.5	72.0	76.4	79.8	82.5	83.5	86.2	87.1	88.2	89.3	82.0

VAPOR PRESSURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
21.9	21.7	22.5	*23.1	22.8	22.4	22.6	22.0	22.8	22.5	21.4	21.7	21.8
*21.6	22.6	22.2	22.7	23.4	23.6	22.8	23.6	*24.4	22.0	21.9	21.8	22.5
21.9	21.9	21.9	21.7	*22.9	22.6	22.1	22.5	21.7	22.0	22.3	22.5	21.9
23.9	23.5	23.1	*24.5	23.9	23.3	22.3	22.0	22.1	21.9	22.2	21.9	*22.7
*21.0	22.2	21.2	21.3	21.7	22.1	22.9	23.3	*23.6	23.2	23.3	22.5	22.4
*20.9	21.4	22.3	23.9	24.0	*24.1	22.2	22.1	22.7	22.6	22.6	22.4	22.3
*23.4	*21.2	22.2	22.5	23.3	22.7	22.5	22.3	22.1	22.0	21.9	21.7	22.3
21.9	22.3	22.2	21.7	21.5	21.5	21.4	22.1	22.4	22.4	*22.6	22.5	21.9
*20.9	22.6	21.8	22.8	*23.5	*22.8	22.0	22.2	21.7	21.2	21.5	21.5	21.9
22.4	22.2	*22.9	21.8	22.1	21.9	21.4	20.5	20.7	20.5	*20.3	*20.3	21.5
21.9	*22.2	20.3	*18.8	19.2	19.8	20.1	19.6	19.8	20.3	20.3	20.3	20.4
22.5	22.6	22.8	*22.9	*22.9	22.1	20.7	19.9	20.2	20.3	19.9	19.8	20.9
*23.0	*19.3	19.7	21.3	*23.0	21.7	22.2	22.4	22.4	22.2	22.0	21.2	21.1
22.8	22.9	23.3	23.2	*24.2	22.1	22.2	22.0	22.5	22.2	22.0	22.3	21.9
23.0	22.7	23.4	*24.2	24.0	23.3	20.1	*19.5	20.0	20.3	21.0	21.1	21.6
21.0	22.8	23.0	23.0	22.6	*23.1	22.6	20.3	20.5	20.7	*20.2	20.3	21.6
22.4	22.0	*24.3	23.9	23.7	23.7	24.1	23.0	21.6	21.7	21.9	21.6	21.6
*22.1	21.4	19.9	20.1	20.2	20.0	*18.0	18.2	18.5	18.4	18.3	18.3	20.4
20.7	19.6	19.5	20.4	*21.6	21.2	21.3	20.2	19.9	20.1	19.6	19.5	*19.4
*21.3	18.6	18.4	20.1	19.6	20.0	19.7	19.8	20.5	20.1	20.1	19.4	19.5
*21.5	20.8	20.2	20.1	20.6	20.0	19.9	21.2	21.2	21.0	20.6	20.7	20.3
*24.2	22.8	22.8	20.5	20.3	20.2	20.0	19.9	19.7	19.6	19.6	*19.2	20.8
21.3	21.7	22.3	22.6	*22.7	21.9	20.5	19.3	19.0	19.3	19.4	19.7	20.0
22.1	22.3	*23.8	23.6	23.1	23.3	23.1	23.0	22.7	22.7	22.5	22.5	21.2
*23.7	21.6	20.4	21.5	20.5	21.4	20.8	20.2	20.1	20.0	*19.9	20.0	21.4
21.2	21.1	21.1	21.2	20.9	20.9	21.1	20.5	21.0	21.0	21.1	21.1	20.5
23.3	24.0	*24.2	21.9	20.3	20.4	21.1	20.5	21.4	21.2	21.8	21.5	21.7
22.3	23.2	23.8	23.8	*24.5	23.2	22.8	21.9	22.2	22.1	22.1	22.1	22.1
21.2	*22.2	*22.2	20.0	19.0	18.3	*17.1	17.6	19.8	19.1	18.7	18.7	20.4
20.7	22.3	22.2	*22.4	21.8	21.5	21.6	21.5	21.3	20.9	21.0	21.1	20.6
21.2	20.5	21.2	21.2	22.2	22.5	21.5	21.0	21.3	21.1	20.9	20.4	21.3
22.0	21.9	22.0	22.0	*22.1	21.9	21.4	21.1	21.3	21.1	21.1	21.0	21.3

UPPER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	A. cu.	Ci. cu.		Ci. s.	A. cu.	Ci. cu.
2	A. cu. NNW.	Ci.		A. cu.		
3	Ci.	Ci. SE.	Ci.	Ci.	Ci.	Ci.
4	Ci. s.	A. cu.	A. cu.	A. cu.	A. cu.	Ci. s.
5	A. cu.				Ci.	
6	Ci.	Ci. s.	Ci. s. WSW.	Ci. s.	Ci.	Ci. s.
7	A. cu.	Ci.	A. cu. WSW.	Ci.		Ci. s.
8	Ci.	A. cu.	Ci. s. SW.	Ci.	Ci. s.	Ci. s.
9	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
10	A. cu.	A. cu. SE.	A. cu.	A. cu. SSE.		A. cu.
11		A. cu.	A. cu.		A. cu.	
12		Ci. cu.	Ci. cu.			
13	A. cu.	Ci. s.	Ci. s.	A. cu. N.	Ci. s.	Ci. s.
14		A. cu.	Ci. cu.	Ci.		
15	A. cu.	A. cu. NE. by E.	A. cu. NE. by E.	A. cu.	A. cu.	Ci. cu.
16	Ci. ENE.	Ci. s.	Ci. s.	Ci.	Ci.	Ci.
17	Ci.					
18			A. cu. ENE.			A. cu.
19	Ci. s.		Ci. cu.	A. cu.		A. cu.
20	Ci. s.	Ci. s.	Ci. s. SE.	Ci.	Ci.	Ci.
21						
22	Ci. E. by S.	Ci.	Ci. E. by S.	Ci.		
23						
24		A. cu.	A. cu.	A. cu.	A. cu.	Ci. cu.
25	A. cu.	A. cu.				A. cu.
26	Ci. s.	Ci. s.	Ci. s.	A. cu.		A. cu.
27	Ci.	Ci.	Ci.	Ci.		
28	Ci.	Ci. NE.	Ci.			
29	Ci.	Ci. s.	Ci. s. N.	Ci. s.	Ci. s.	Ci. s.
30		A. cu.	Ci.		Ci.	
31	A. cu.	Ci. s.	Ci. s. S.	Ci. s.	Ci. s.	Ci. s.

LOWER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Cu. NNE.	Cu.	S. cu. ENE.	Cu.	Cu. ENE.	Cu.
2	Cu. N.	Cu. N.	Cu. N. W.	N. cf. W.	Cu. N. W.	Cu.
3	Cu.	Cu.	Cu. NE.	Cu. NE.	Cu.	Cu.
4	S. cu.	S. cu. ENE.	S. cu. ENE.	Cu.	Cu.	Cu. N.
5	Cu.	Cu. SSE.	Cu. SSE.	Cu.	Cu.	Cu.
6	Cu.	Fr. cu.	Cu. SE.	Cu.	Cu.	Cu.
7	Cu.	Cu.	Cu. E.	Cu. E. by N.	N. cf. ENE.	N. cf. E. by N.
8	Cu.	Cu.	Cu. NE.	Cu. NE.	Cu.	Cu.
9	Cu.	Cu. ENE.	Cu. ENE.	Cu.	Cu.	Cu. N.
10	S. cu.	Cu.	Cu. E. by N.	Cu.	N. cf.	N. cf. ENE.
11	N. cf. E. by S.	S. cu. E. by S.	N. cf. E. by S.	S. cu. E.	S. cu.	Cu. E. by N.
12	S. cu. NE. by E.	S. cu.	Cu.	Fr. cu. ENE.	Fr. cu. ENE.	Fr. cu.
13	S. cu.	S. cu. E. by N.	S. cu.	S. cu.	S. cu.	Cu.
14	S. cu. E. by N.	S. cu.	Cu. ENE.	S. cu. ENE.	S. cu.	Cu.
15	Cu.	Cu.	Cu. ESE.	Cu. E. by S.	Cu.	Cu.
16	Cu.	Cu.	Cu. E. by N.	Cu. E.	Cu.	Cu.
17	Cu.	Cu.	Cu. E.	N. cf. E.	N. cf. E.	Cu.
18	S. cu.	S. cu.	Cu.	Cu. ENE.	Cu. ENE.	Cu.
19	S. cu.	S. cu.	S. cu. ENE.	S. cu.	S. cu. ENE.	S. cu.
20	Cu.	Cu.	Cu.	Cu. NE. by E.	Cu.	Cu.
21	Fr. N. ENE.	N. cf. ENE.	Cu. ENE.	N. cf. ENE.	Cu. NE. by E.	N. cf.
22	S. cu.	Cu.	S. cu. E. by N.	Cu. E. by N.	N. cf. ENE.	N. cf.
23	Cu.	Cu.	Cu.	Cu. NE. by E.	Cu. NE. by E.	Cu. E. by N.
24	S. cu.	S. cu.	Cu. NE.	Cu. NE.	Cu.	S. cu.
25	S. cu.	S. cu. NE. by E.	Cu. NE. by E.	Cu. ENE.	Cu.	Cu.
26	S. cu.	S. cu.	S. cu.	Cu.	Cu.	N. cf.
27	Cu. N.	Cu. N.	Cu.	Fr. cu. E.	Cu. N. E.	Cu. N. E.
28	Cu.	Cu.	Cu.	Cu.	Cu. ENE.	Cu.
29	Cu.	Cu.	Cu. E.	Fr. cu. ENE.	Fr. cu.	Fr. cu.
30	Cu.	Cu.	Cu.	Cu. ENE.	Cu. E. by N.	Cu.
31	Cu. N. E.	S. cu.	Cu. N.	Cu.	Cu.	N. cf.

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[illegible]

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Cu. ENE.	Cu. ENE.	Cu.	Cu.	Cu.	Cu. N.
Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
Cu.	Cu. N.	Cu. N.	Cu. N.	Cu. N.	Cu.
Cu. N.	Cu. N. ESE.	Cu. N.	Cu. N.	Cu.	Cu. N.
Cu.	Cu.	Cu.	Cu.	S. cu.	S. cu.
Cu. N.	Cu.	Cu.	Cu. N.	Cu. N.	Cu. N.
N. cf.	N. cf. SE.	Cu. N.	Cu. N.	Cu. N.	S. cu.
Cu. N.	Cu. N.	Cu. N. ENE.	Cu. N.	Cu. N.	Cu. N.
Cu. N. E.	Cu. N.	Cu. N. E.	S. cu.	Cu.	Cu.
N. cf.	N. cf.	N. cf. E. by S.	N. cf.	S. cu.	S. cu
Cu. E. by N.	Cu.	Cu.	Cu.	S. cu.	S. cu.
Cu. NE.	Cu.	Cu. E. by S.	Cu.	Fr. cu.	Cu.
N. cf. SE. by E.	Cu. N.	Cu. N.	Cu. N.	Cu. N. N.	Cu. N.
N. cf. ENE.	N. cf. ENE.	Cu. N.	Cu. N.	Cu. N.	Cu. N.
Cu.	Cu.	Cu.	Cu. E. by S.	Cu.	Cu.
Cu.	Cu.	Cu.	Cu. N.	S. cu.	S. cu.
N. cf. E. by N.	Cu. N. E.	Cu. N.	Cu. N.	S. cu.	S. cu.
N. cf. NE.	N. cf.	N. cf. N.	N. cf. N.	Cu.	S. cu.
N. cf. E.	N. cf. E. by N.	Cu. ENE.	Cu. N. E.	N. cf. ENE.	S. cu.
Cu.	Cu.	Cu. E. by N.	Cu. E. by N.	Cu.	Cu.
S. cu.	S. cu.	Cu. N. ENE.	Cu. N. E.	S. cu.	S. cu.
Cu.	Cu. E. by N.	Cu. E. by N.	Cu. E. by N.	Cu.	Cu.
Cu.	Cu. NNE.	Cu. NE. by E.	S. cu. NE.	N. cf. NE.	Cu.
Cu. E.	Cu. N. E.	Cu. N.	Fr. N. E.	Fr. N. E.	Fr. N.
Cu. N.	Cu.	Cu.	Cu. ENE.	S. cu.	S. cu.
S. cu.	S. cu.	S. cu.	S. cu.	S. cu.	S. cu.
Cu. N. E.	Cu. E.	Cu. E.	Cu. E.	Cu.	Cu.
N. cf.	Cu.	N. cf. E.	Cu. N. N.	Cu.	N.
Fr. cu. ENE.	Fr. cu.	Fr. cu. ENE.	Fr. cu.	Fr. cu. E. by N.	Cu.
N. cf.	Cu. N.	Cu. E. by N.	Cu.	S. cu.	S. cu.
S. cu.	Cu.	Cu. N.	Cu. N.	S. cu.	S. cu.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.
1	Calm.	ENE. 0.5	Calm.	Calm.	Calm.	Calm.
2	NW. 1.5	Calm.	Calm.	ENE. 0.5	Calm.	Calm.
3	W. 0.5	Calm.	Calm.	Calm.	Calm.	Calm.
4	E. 1.0	E. 1.0	Calm.	E. 1.0	Calm.	Calm.
5	NE. 1.5	Calm.	W. 4.0	Calm.	Calm.	NE. 0.5
6	N. 1.0	WNW. 3.5	Calm.	E. 0.5	Calm.	Calm.
7	NE. 1.0	NE. 1.0	NE. 1.0	Calm.	Calm.	Calm.
8	Calm.	NNE. 0.5	Calm.	NE. 1.5	Calm.	Calm.
9	NE. 1.5	NE. 1.5	NE. 2.0	NE. 2.0	Calm.	Calm.
10	Calm.	Calm.	NE. 1.0	NNE. 1.0	Calm.	Calm.
11	Calm.	Calm.	NE. 0.5	NNE. 1.0	ENE. 1.0	NE. 0.5
12	ENE. 1.0	NE. 1.5	ENE. 1.0	Calm.	Calm.	NE. 1.0
13	Calm.	Calm.	NNE. 1.0	NE. 0.5	Calm.	Calm.
14	ESE. 1.0	ESE. 0.5	ESE. 0.5	ESE. 0.5	Calm.	Calm.
15	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
16	Calm.	E. 0.5	Calm.	Calm.	Calm.	Calm.
17	E. 1.0	Calm.	E. 0.5	Calm.	Calm.	NE. 1.0
18	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
19	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
20	Calm.	Calm.	Calm.	NNE. 1.0	N. 1.5	NNE. 2.5
21	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
22	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
23	Calm.	Calm.	Calm.	Calm.	NE. 1.0	NE. 0.5
24	Calm.	Calm.	Calm.	NE. 1.0	Calm.	NE. 0.5
25	Calm.	Calm.	ESE. 1.5	Calm.	Calm.	Calm.
26	NNE. 1.5	NNE. 1.5	NNE. 1.0	E. 0.5	Calm.	Calm.
27	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
28	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
29	Calm.	Calm.	Calm.	Calm.	Calm.	Calm.
30	Calm.	Calm.	NNE. 0.5	NNE. 1.0	NNE. 1.0	NNW. 3.0
31	Calm.	NE. 2.0	NNE. 2.0	NNE. 1.5	N. 1.0	Calm.
Mean	0.4	0.5	0.5	0.4	*0.2	0.3

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
1	WSW. *5.0	WSW. 1.5	WSW. 1.0	Calm.	S. 0.5	Calm.
2	WSW. 4.0	WSW. 5.0	WSW. 4.0	WSW. *6.0	WSW. *6.0	SW. 4.0
3	W. 2.0	SW. 1.0	SW. 1.0	Calm.	Calm.	Calm.
4	WSW. 1.5	WSW. 2.5	WSW. 2.0	SSE. *3.0	ESE. *3.0	ESE. 2.5
5	WSW. 3.5	WSW. 1.0	WSW. 3.5	W. *4.5	WSW. 3.5	WSW. 4.0
6	SE. 1.0	SE. 1.0	S. 0.5	Calm.	S. *4.5	S. 1.0
7	Calm.	NE. *4.0	ENE. 0.5	Calm.	SSE. 2.0	SE. 1.0
8	W. 2.0	W. *3.0	NE. 1.0	ENE. 2.0	S. *3.0	SSE. 1.5
9	E. 2.5	NE. *4.5	E. 2.0	ESE. 2.0	ESE. 1.0	Calm.
10	WSW. 1.0	WSW. 1.5	Calm.	Calm.	NNW. 1.0	NE. 1.5
11	SE. 1.0	Calm.	ESE. 1.5	ESE. 2.5	Calm.	E. 2.0
12	WSW. *3.0	WSW. 2.5	WSW. 2.0	Calm.	W. 1.0	E. 2.5
13	SSW. 1.0	ESE. 2.0	ESE. *2.5	Calm.	Calm.	SE. 1.0
14	W. 2.5	N. 2.0	Calm.	Calm.	SE. 1.0	SE. 1.0
15	W. 2.0	Calm.	SW. 0.5	S. 0.5	Calm.	SE. 2.0
16	W. 1.0	WSW. 1.0	SSW. 2.0	ESE. *5.5	Calm.	E. 1.0
17	WSW. 2.0	SSE. 2.0	Calm.	Calm.	Calm.	Calm.
18	Calm.	Calm.	E. *3.0	ESE. 1.5	Calm.	Calm.
19	NE. 1.0	N. *5.0	N. 4.0	NE. 1.0	Calm.	Calm.
20	SW. 3.0	ESE. 1.0	E. *4.0	NE. 3.0	N. by E. *4.0	Calm.
21	NE. 2.5	E. 1.0	NNE. 2.5	NNE. *5.5	NE. 2.0	ENE. 2.0
22	Calm.	NNE. 2.5	NE. 1.0	ENE. 1.0	E. 2.0	ENE. 1.0
23	WSW. *3.5	WSW. 3.0	WSW. 3.0	W. 0.5	WSW. 1.0	Calm.
24	SW. 1.0	Calm.	NW. 2.5	NE. 2.0	NE. 1.0	ENE. 2.0
25	W. 1.5	NE. *3.5	NE. 2.0	ENE. 1.0	ENE. 2.0	Calm.
26	NE. 1.5	NNE. *3.0	NE. 2.0	NE. 2.5	Calm.	Calm.
27	WNW. 2.5	WSW. 1.5	Calm.	NE. *3.0	E. 1.5	E. 1.5
28	SW. 2.0	SSW. 0.5	SW. 1.5	Calm.	Calm.	Calm.
29	W. 3.0	WSW. 2.5	Calm.	SE. 3.0	E. 1.5	ENE. 2.5
30	NNE. 2.5	SE. 2.5	Calm.	Calm.	NNE. 1.5	NNE. 2.0
31	ESE. 2.5	ESE. *4.0	SE. 3.0	ESE. 1.5	Calm.	ENE. 1.0
Mean	2.0	*2.1	1.7	1.7	1.4	1.2

OBSERVATIONS FOR OCTOBER, 1902.

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WIND—DIRECTION AND FORCE IN M. P. S.

7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
Calm.	Calm.	Calm.	Calm.	WSW. 0.5	NNW. 3.0
Calm.	Calm.	Calm.	Calm.	SW. 1.5	SW. 1.5
Calm.	Calm.	Calm.	Calm.	W. 3.0	W. by N. *3.5
Calm.	Calm.	Calm.	S. 0.5	W. 1.0	W. 1.5
Calm.	ESE. 0.5	S. 0.5	Calm.	WSW. 2.0	WSW. 1.5
Calm.	SE. 1.5	SE. 0.5	SSE. 3.0	SSE. 2.5	ESE. 3.0
Calm.	Calm.	SW. 0.5	WSW. 2.0	Calm.	W. 2.5
Calm.	Calm.	Calm.	SW. 2.0	SW. *3.0	WSW. 1.0
Calm.	Calm.	S. 0.5	SW. 3.0	SW. 2.0	W. 2.5
NE. 0.5	NNE. *3.0	NE. 1.5	Calm.	WNW. 0.5	SSW. 2.5
Calm.	NE. by E. 1.5	NE. 2.5	NE. 1.0	SW. 2.5	WNW. *3.0
ENE. 2.5	NE. 1.0	NE. 1.5	Calm.	SW. 2.5	WSW. 1.5
SE. 0.5	Calm.	E. 1.0	ESE. 1.0	Calm.	S. 2.0
Calm.	E. 0.5	S. 1.5	W. 2.0	W. 2.0	W. 4.0
Calm.	SSE. 1.5	SSW. 2.5	S. 1.5	W. *3.0	WNW. 2.5
Calm.	Calm.	W. 1.0	WSW. 3.0	WSW. 3.0	WSW. 1.0
Calm.	NNW. *2.5	NE. 1.0	SW. 1.0	Calm.	Calm.
Calm.	Calm.	Calm.	Calm.	NW. *3.0	ESE. 2.0
Calm.	Calm.	Calm.	NNE. 1.5	N. 3.0	NE. 1.5
NNE. 1.0	NE. 0.5	NW. 2.0	W. 2.0	WSW. 1.5	SW. 3.0
Calm.	Calm.	NE. 0.5	NE. 1.0	Calm.	N. 3.0
NE. 1.0	NNE. 1.5	N. *3.0	NE. 2.5	Calm.	WSW. 2.0
Calm.	NE. 0.5	Calm.	W. 1.0	WSW. 1.5	WSW. 2.5
Calm.	Calm.	SW. 1.0	WSW. *3.0	WNW. 2.0	WSW. 2.0
ENE. 0.5	Calm.	WNW. 1.0	E. 0.5	Calm.	WSW. 3.0
NE. 0.5	NE. 1.0	Calm.	NNE. 1.5	NE. 0.5	SW. 1.5
Calm.	Calm.	Calm.	W. 1.5	WSW. *3.0	WSW. 2.0
Calm.	Calm.	Calm.	W. 2.0	WSW. *2.5	WSW. 1.5
ENE. 0.5	Calm.	ENE. 0.5	WNW. 2.5	WNW. *4.0	W. 2.5
NNE. 1.0	NE. 1.5	Calm.	WSW. 1.5	NW. 2.5	Calm.
Calm.	Calm.	Calm.	Calm.	Calm.	SE. 3.0
0.3	0.5	0.7	1.3	1.7	*2.1

7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
SSE. 1.0	S. 1.5	S. 0.5	NE. 0.5	Calm.	Calm.	0.6
SW. 3.0	S. 2.0	SSW. 1.0	NNW. 3.0	SE. 0.5	Calm.	*1.8
S. 3.0	S. 0.5	SE. 0.5	SE. 1.0	SE. 1.0	Calm.	0.7
ESE. 2.0	Calm.	Calm.	Calm.	Calm.	NNE. 2.0	1.0
WSW. 2.0	WSW. 2.5	SW. 1.5	SE. 0.5	E. 1.0	E. 0.5	1.6
ESE. 2.5	ESE. 1.5	Calm.	Calm.	Calm.	Calm.	1.1
SSE. 1.5	Calm.	Calm.	Calm.	E. 1.0	NNE. 0.5	0.8
SE. 2.0	SE. *3.0	SSE. 1.0	SSE. 1.0	NNE. 1.0	NNE. 1.5	1.2
Calm.	Calm.	N. 2.5	N. 3.0	N. 2.5	N. 0.5	1.5
Calm.	NNE. 1.0	Calm.	Calm.	Calm.	Calm.	0.7
E. 2.0	E. 1.5	Calm.	E. 0.5	Calm.	E. 1.0	1.1
E. 1.0	Calm.	Calm.	ENE. 0.5	ENE. 0.5	Calm.	1.1
S. 2.0	SSE. 1.5	Calm.	Calm.	Calm.	ESE. 1.0	0.7
SE. 2.0	Calm.	Calm.	Calm.	Calm.	Calm.	0.9
E. 1.0	ESE. 1.0	SE. 2.0	SE. 2.5	SE. 0.5	ENE. 0.5	1.0
Calm.	ESE. 2.0	ENE. 1.0	Calm.	SE. 1.0	SE. 1.5	1.0
SE. 0.5	Calm.	Calm.	Calm.	Calm.	Calm.	0.5
ENE. 2.0	Calm.	Calm.	Calm.	SSE. 1.0	Calm.	0.5
Calm.	Calm.	Calm.	Calm.	Calm.	Calm.	0.7
NE. 1.0	NE. 1.5	Calm.	Calm.	Calm.	Calm.	1.4
E. 1.5	Calm.	Calm.	Calm.	Calm.	Calm.	0.9
Calm.	Calm.	Calm.	Calm.	Calm.	Calm.	0.7
Calm.	Calm.	Calm.	Calm.	Calm.	Calm.	0.8
Calm.	Calm.	Calm.	Calm.	Calm.	Calm.	0.8
E. 1.5	NE. 1.0	NE. 1.0	NE. 1.0	NE. 1.0	NE. 1.0	1.0
Calm.	Calm.	Calm.	Calm.	Calm.	Calm.	0.8
ENE. 0.5	Calm.	Calm.	Calm.	Calm.	Calm.	0.7
Calm.	Calm.	Calm.	Calm.	Calm.	Calm.	*0.4
ENE. 3.5	Calm.	NE. 1.0	ENE. 1.0	ENE. 1.0	ENE. 1.0	1.2
Calm.	Calm.	NNE. 1.0	N. *3.5	Calm.	Calm.	1.0
Calm.	Calm.	Calm.	Calm.	ESE. 1.0	NNE. 1.0	1.0
1.1	0.7	0.4	0.6	0.4	0.4	0.9

WIND—FORCE IN KILOMETERS PER HOUR.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	4.0	3.0	3.5	0.5	2.5	2.0	1.5	1.0	5.0	5.5	11.5	8.5
2	5.0	3.5	2.0	4.0	4.0	4.0	3.0	2.0	2.5	5.0	7.0	9.5
3	4.0	3.5	3.5	2.0	2.0	2.0	3.0	1.5	5.5	4.5	*14.0	13.5
4	5.0	3.0	1.5	4.0	3.5	3.0	1.5	1.5	1.0	3.5	5.5	12.0
5	6.5	4.0	4.0	6.5	4.0	2.5	2.0	3.0	5.0	5.5	7.5	8.0
6	6.0	16.0	6.5	4.0	4.0	2.0	1.0	2.0	8.0	9.5	11.0	10.0
7	4.0	5.5	5.5	4.0	5.5	5.0	2.0	3.0	3.0	5.5	4.5	11.0
8	2.0	2.0	3.0	6.0	5.5	2.0	4.5	3.0	4.5	5.0	11.5	9.5
9	8.0	7.0	9.0	9.0	7.0	7.0	7.5	4.5	3.0	5.5	11.0	11.0
10	4.5	0.5	3.0	6.5	3.5	3.5	4.5	*10.5	9.5	6.0	7.5	6.0
11	3.0	4.0	3.5	7.0	5.0	7.0	5.5	7.0	8.0	6.0	6.0	10.5
12	6.0	5.5	6.0	4.0	5.5	7.0	7.0	8.5	8.5	4.5	8.5	10.5
13	0.5	2.0	4.0	4.5	4.5	4.5	4.0	4.0	8.5	5.0	2.0	7.0
14	4.5	2.5	3.0	3.5	3.5	1.5	3.0	3.0	1.5	5.0	8.5	12.0
15	0.5	1.5	2.5	3.5	5.0	2.5	0.0	2.0	4.0	3.5	6.5	12.0
16	1.5	1.5	2.5	0.0	0.5	2.5	0.0	0.5	2.0	9.0	10.5	*12.5
17	7.0	4.5	4.0	6.0	4.0	4.0	3.5	4.5	6.0	*8.5	3.0	3.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.0	2.0	5.0	5.5
19	0.5	0.5	0.5	1.5	4.0	4.5	2.5	1.0	1.5	5.5	8.5	13.5
20	3.0	1.0	1.5	3.0	8.0	8.5	8.0	9.0	5.5	9.5	10.0	8.0
21	2.5	4.0	3.0	1.0	1.0	2.5	2.0	1.0	6.5	1.5	5.0	10.0
22	1.5	1.5	1.5	0.0	3.5	1.5	0.0	4.0	6.0	6.5	3.5	*10.0
23	3.0	1.0	3.5	3.5	3.0	5.0	3.5	5.0	3.0	6.0	*15.5	11.5
24	0.0	0.5	1.0	5.5	5.0	4.0	1.5	5.0	5.5	10.0	*12.0	11.0
25	4.0	0.5	3.0	4.0	1.5	1.5	3.5	3.5	8.0	9.0	5.0	9.0
26	7.5	7.0	5.5	4.5	3.5	7.0	5.0	8.0	6.0	6.5	5.0	4.5
27	1.0	2.0	3.0	3.0	4.5	3.0	3.0	1.0	3.0	6.0	9.0	*13.0
28	4.0	2.5	3.0	2.0	4.0	5.5	1.0	3.0	2.5	6.5	*12.5	12.0
29	1.0	0.5	3.0	2.5	2.0	2.5	4.5	3.0	1.0	8.5	*18.0	17.0
30	4.5	2.5	4.0	5.0	7.5	8.0	6.5	8.5	4.0	5.0	10.5	6.5
31	1.5	5.5	11.0	6.5	5.0	4.5	2.0	3.0	3.0	2.5	3.0	8.0
Mean.	3.4	3.2	3.6	3.8	3.9	3.9	*3.1	3.8	4.7	5.9	8.3	9.9

AMOUNT OF CLOUDS (0-10).

Day.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	Mean.
1	6	7	8	5	7	5	7	3	4	3	5	2	3	4	7	4	6	5.1
2	6	5	5	7	9	7	3	2	2	2	2	2	1	1	2	4	9	4.1
3	2	2	3	3	3	5	5	5	4	5	6	8	9	8	8	4	5	5.0
4	8	9	7	8	8	7	5	5	7	9	10	10	10	10	7	6	9	7.9
5	8	3	3	3	4	3	4	2	3	3	4	7	6	7	3	4	5	4.2
6	3	3	3	3	4	4	4	4	5	5	4	6	8	7	8	7	6	4.9
7	5	7	7	5	8	8	8	9	9	9	9	9	9	8	8	9	8	7.9
8	3	2	3	4	3	3	4	4	6	7	9	9	9	8	10	10	10	6.1
9	8	5	4	4	5	4	4	5	9	9	9	10	10	8	8	8	10	7.1
10	9	10	10	9	9	9	9	9	9	9	9	9	9	8	9	7	4	*8.6
11	3	5	9	9	9	7	5	7	6	5	6	4	4	4	7	8	7	6.2
12	2	6	9	2	1	7	4	4	4	5	5	5	4	3	3	1	1	3.9
13	8	7	7	8	8	8	8	6	6	6	6	5	8	8	9	10	6	7.4
14	2	3	3	7	3	8	8	7	8	9	4	3	3	2	3	3	3	4.6
15	5	5	3	3	5	7	4	4	8	8	6	4	4	6	7	7	8	5.5
16	9	5	3	4	4	5	5	4	4	6	6	7	7	6	0	0	0	4.4
17	9	2	2	1	3	9	9	7	9	9	9	9	9	10	9	9	9	7.3
18	10	9	9	9	5	9	8	8	7	8	8	7	3	3	1	1	0	6.2
19	1	1	2	9	7	8	9	8	10	10	8	8	10	2	3	2	1	5.8
20	5	8	6	3	3	3	3	3	4	6	9	9	9	9	10	9	8	6.3
21	9	10	9	9	8	9	9	9	7	7	9	9	7	4	4	3	4	7.4
22	7	3	3	4	5	7	9	9	9	8	8	8	9	4	3	3	2	5.9
23	3	1	1	2	1	2	5	5	3	2	4	6	5	1	1	3	2	*2.8
24	2	2	2	3	5	5	5	6	10	10	10	10	10	10	10	10	7	6.9
25	7	9	4	3	5	5	4	8	9	9	9	8	4	3	5	6	3	5.9
26	3	3	7	8	8	8	9	9	9	8	9	9	10	10	5	4	5	7.3
27	2	2	2	2	2	4	8	5	8	7	4	3	3	1	0	0	0	3.1
28	0	2	2	2	1	2	4	7	7	6	7	8	6	9	9	4	7	4.9
29	2	4	5	6	5	4	5	4	3	3	3	3	3	2	0	0	0	3.1
30	1	2	1	1	1	7	7	8	9	9	8	5	3	7	2	9	3	4.9
31	9	7	7	7	8	8	8	8	9	9	9	10	9	9	3	4	5	7.6
Mean.	5.1	*4.8	*4.8	4.9	5.1	6.0	6.1	6.0	6.7	6.8	*6.9	6.8	6.6	5.9	5.3	5.1	4.9	5.8

OBSERVATIONS FOR OCTOBER, 1902.

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WIND—FORCE IN KILOMETERS PER HOUR.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
13.5	*14.5	13.0	7.0	4.0	2.0	4.5	5.0	4.0	4.0	6.5	2.0	5.4
13.0	15.5	18.5	*22.5	21.5	*22.5	17.0	6.5	6.0	9.0	5.5	1.0	8.8
*14.0	11.0	10.5	6.5	7.5	5.0	8.0	7.5	7.5	5.0	4.5	2.5	6.2
12.0	*17.0	16.5	11.0	10.0	8.0	10.5	10.0	6.0	3.0	2.0	5.5	6.5
9.5	12.0	16.0	19.5	*22.5	21.0	20.0	16.0	10.0	7.5	6.0	7.0	*9.4
8.0	9.0	5.0	6.0	10.5	4.0	*20.5	11.0	3.0	1.5	2.5	3.5	6.9
8.5	*15.5	7.0	3.5	7.0	6.0	6.5	7.0	4.0	2.5	1.0	8.0	5.6
*14.0	12.5	10.0	8.0	9.5	8.5	11.0	9.0	7.0	5.0	4.0	4.5	6.7
14.0	*15.5	11.5	6.5	6.5	3.5	1.5	0.0	4.5	11.0	8.5	6.0	7.4
7.0	8.5	6.0	2.0	7.0	6.0	5.5	4.5	4.0	4.0	4.0	3.5	5.3
6.0	6.5	9.0	*13.0	*13.0	7.5	5.0	4.5	2.5	1.0	4.0	5.5	6.2
10.5	*12.0	10.5	8.0	7.0	5.0	7.0	4.5	5.5	4.5	3.5	3.0	6.8
7.0	*14.5	10.5	7.0	4.0	6.5	9.0	8.0	6.0	2.0	1.5	3.5	5.4
*14.0	12.5	5.5	6.0	5.0	5.0	6.5	5.5	3.0	1.0	0.0	0.5	4.8
*14.5	9.5	5.0	3.0	3.0	5.0	9.0	7.5	8.5	10.0	10.0	5.0	5.6
9.0	9.0	5.5	5.5	3.5	2.0	4.0	5.0	10.0	1.5	2.5	7.5	4.5
7.0	6.5	5.0	1.5	2.0	0.5	2.0	0.5	4.0	2.0	1.5	0.5	3.8
2.0	2.5	*11.0	6.5	6.0	1.5	5.0	3.5	3.5	1.0	3.5	4.5	*2.9
9.5	9.5	*15.5	14.5	4.0	2.5	0.5	0.0	0.0	0.0	1.5	2.5	4.3
10.0	5.0	*16.0	11.0	8.5	5.0	3.0	4.0	3.5	2.0	2.0	1.5	6.1
6.0	5.5	7.5	*21.0	15.5	9.0	7.5	1.0	0.0	0.0	1.0	1.0	4.8
*10.0	8.0	9.0	7.0	8.5	4.5	3.0	0.5	0.5	3.0	1.0	1.5	4.0
14.0	11.0	9.0	9.5	7.5	4.5	2.0	3.5	4.0	3.0	1.0	0.0	5.5
9.5	3.5	6.5	8.0	7.0	4.5	1.5	0.5	2.5	4.0	2.5	2.5	4.7
11.5	8.5	*13.5	10.0	12.5	6.5	5.5	7.0	7.0	4.5	4.5	3.5	6.1
16.0	*18.0	13.0	10.5	7.0	1.5	4.0	5.0	4.0	4.0	2.0	3.0	6.6
9.0	*13.0	7.5	11.0	*13.0	12.0	6.0	5.0	2.0	1.0	2.5	3.0	5.7
10.5	6.5	9.0	6.0	5.0	1.5	6.0	6.0	3.5	2.5	3.5	1.5	5.0
15.5	12.0	9.5	10.0	11.5	9.5	8.5	8.5	4.5	5.0	6.0	6.5	7.1
10.0	*13.0	5.0	3.5	7.5	9.0	6.5	4.0	4.0	9.5	7.0	2.5	6.4
10.5	17.5	*20.0	14.0	10.0	5.0	4.5	2.5	4.0	5.5	6.0	6.0	6.7
10.5	*10.8	10.2	9.0	8.6	6.3	6.8	5.3	4.5	3.9	3.6	3.5	5.8

FREQUENCY OF THE WIND.

Day.	N. NNW.	NW. WNW.	W. WSW.	SW. SSW.	S. SSE.	SE. ESE.	E. ENE.	NE. NNE.	Calm.
1	1		4		4		1	1	13
2	1	1	5	5	1	1	1		9
3		1	3	2	2	3			13
4			5		2	3	3	1	10
5			11	1	1	2	2	2	5
6	1	1			5	7	1		9
7			2	1	2	1	2	5	11
8			3	2	4	2	1	5	7
9	4		1	2	1	2	2	5	7
10	1	1	2	1				7	12
11		1		1		3	7	5	7
12			5	1		7	7	4	7
13				1	3	6	1	2	11
14	1		4		1	7	1		10
15		1	2	2	3	5	2		9
16			6	1		4	3		10
17	1		1	1	1	1	2	2	15
18		1			1	2	2		18
19	3							4	17
20	1	1	2	2		1	1	8	8
21	1						3	6	14
22	1		1				3	5	14
23			8					3	13
24		2	2	2			1	4	13
25		1	2			1	5	7	8
26				1			1	11	11
27		1	4				3	1	15
28			3	3					18
29		2	3			1	8	1	9
30	2	1	1			1		9	10
31	1					6	1	4	12
Mean	0.6	*0.5	2.6	0.9	1.0	1.9	2.1	3.3	*11.1

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.
1-----	62.15	8.55 a.	31.3	3.55 p.	96.0	23.1	58.65	3.05 p.	22.1	6.10 a.	69.0	20.4
2-----	61.15	8.30 a.	30.5	2.00 p.	97.0	24.4	58.20	3.45 p.	22.8	6.20 a.	68.0	*21.6
3-----	60.60	9.45 a.	32.8	3.55 p.	96.0	22.9	58.15	3.15 p.	22.9	6.00 a.	60.0	20.8
4-----	61.06	10.00 a.	31.6	1.00 p.	96.0	*24.5	58.55	3.20 p.	22.8	5.10 a.	69.0	*21.6
5-----	61.25	8.55 a.	31.2	2.00 p.	97.0	23.6	58.60	3.50 p.	23.1	6.20 a.	62.0	21.0
6-----	61.75	9.15 a.	*33.8	2.40 p.	*99.0	24.1	58.70	3.25 p.	22.3	2.30 a.	59.0	20.9
7-----	61.40	8.40 a.	31.2	11.05 a.	*99.0	23.4	58.75	3.00 p.	22.7	6.10 a.	70.0	21.2
8-----	61.15	11.30 p.	31.1	2.40 p.	*99.0	22.6	57.55	2.15 p.	22.1	6.00 a.	67.0	20.4
9-----	61.80	11.35 p.	30.4	0.50 p.	98.0	23.5	58.79	3.00 p.	21.9	6.00 a.	*72.0	20.9
10-----	63.15	9.10 a.	30.6	4.05 p.	95.0	22.9	60.35	3.05 p.	22.8	6.30 a.	69.0	20.3
11-----	63.57	9.00 a.	32.6	1.45 p.	92.0	22.2	60.50	2.30 p.	22.0	6.20 a.	61.0	18.8
12-----	63.20	9.05 a.	32.3	3.00 p.	92.0	22.9	59.40	2.45 p.	21.3	6.10 a.	63.0	18.8
13-----	61.75	8.25 a.	31.3	1.05 p.	93.0	23.0	58.60	2.50 p.	22.1	6.10 a.	62.0	19.3
14-----	51.25	9.25 a.	30.6	1.00 p.	97.0	24.2	57.85	3.15 p.	21.9	5.55 a.	67.0	20.1
15-----	60.85	9.55 a.	32.9	4.30 p.	92.0	24.2	57.60	3.50 p.	22.1	5.10 a.	65.0	19.5
16-----	62.05	11.30 p.	32.3	2.00 p.	93.0	23.1	58.85	3.15 p.	*23.3	5.50 a.	62.0	20.2
17-----	63.45	9.15 a.	31.1	0.50 p.	96.0	24.3	60.70	3.15 p.	21.5	4.15 a.	66.0	18.8
18-----	*63.70	9.30 a.	31.8	1.55 p.	94.0	22.1	*61.20	2.45 p.	22.8	12 m.n.	63.0	18.0
19-----	63.14	9.00 a.	*29.6	1.20 p.	*89.0	21.6	60.25	3.20 p.	20.6	6.15 a.	68.0	17.4
20-----	61.75	8.35 a.	32.1	1.55 p.	91.0	*21.3	59.45	2.25 p.	21.0	3.00 a.	*54.0	18.2
21-----	61.75	10.10 p.	31.1	2.05 p.	91.0	21.5	59.35	2.30 p.	21.7	3.00 a.	65.0	18.9
22-----	61.60	10.00 p.	31.9	10.55 a.	95.0	24.2	59.05	3.10 p.	21.6	5.30 a.	63.5	19.2
23-----	61.50	9.15 a.	31.8	3.05 p.	92.0	22.7	58.65	2.55 p.	20.7	6.30 a.	63.0	18.0
24-----	61.35	9.10 a.	30.3	1.20 p.	96.0	23.8	58.40	2.05 p.	*19.6	6.05 a.	71.0	17.8
25-----	60.85	9.15 a.	30.6	12 m.d.	97.0	23.7	58.10	3.05 p.	22.2	6.00 a.	66.0	19.9
26-----	61.65	9.55 p.	30.1	11.45 a.	94.0	21.5	58.90	3.55 p.	21.1	6.00 a.	69.0	18.7
27-----	62.24	9.00 a.	32.1	3.05 p.	95.0	24.2	59.45	3.45 p.	21.7	6.00 a.	65.0	20.0
28-----	61.60	9.50 a.	32.2	12 m.d.	95.0	*24.5	58.70	3.05 p.	21.9	6.00 a.	63.0	20.3
29-----	61.15	9.15 a.	31.8	3.50 p.	98.0	22.2	57.60	2.40 p.	21.7	6.15 a.	61.0	*17.1
30-----	60.20	9.50 a.	31.6	11.50 a.	92.0	22.4	57.25	3.05 p.	21.0	4.40 a.	62.0	18.3
31-----	*60.05	8.05 a.	31.3	0.35 p.	95.0	23.3	*57.05	2.50 p.	22.1	5.50 a.	68.0	20.1
Mean	61.75		31.5		94.9	23.2	58.81		21.9		64.9	19.6

GENERAL REMARKS.

Day.	Remarks.	Day.	Remarks.
1----	Lightning and thunder in the fourth quadrant at night.	16----	Drizzle and passing rain in the afternoon.
2----	Lightning to the N. at night.	17----	Drizzle and passing rain.
3----	Thunderstorm in the first quadrant in the afternoon and in the second at night.	20----	Clouds colored at sunrise and sunset.
4----	Thunderstorm in the fourth quadrant in the early morning and at night, and in the first in the afternoon.	21----	Distant rain in different points in the afternoon.
5----	Lightning to northward and in the second quadrant at night.	22----	Coloration of veil of cirrus at sunset.
6----	Thunderstorm in the locality in the early morning and in the afternoon.	23----	Lightning to the SSE. at night.
7----	Distant thunderstorm in the third quadrant in the afternoon.	24----	Thunderstorm in the first and fourth quadrants, with shower in the locality in the afternoon.
8----	Near thunderstorm in the second quadrant in the afternoon.	25----	Light rain in the afternoon; lightning in the second and fourth quadrants at night.
9----	Thunderstorm in the first quadrant in the afternoon, and in the fourth at night.	26----	Lightning in various points in the early morning and to the ENE. at night.
10----	Light drizzle in the afternoon; clouds colored at sunset.	27----	Drizzle and passing rain in the afternoon.
14----	Passing rain at 2.37 p. m.	28----	Thunderstorm in the second quadrant, with occasional rain in the locality in the afternoon.
15----	Clouds colored at sunset; thunderstorm in the fourth quadrant at night.	29----	Veil of cirrus in the third quadrant in the afternoon.
		30----	Light rain in the afternoon; clouds colored at sunset.
		31----	Distant thunderstorm to northward in the afternoon.

GENERAL APPEARANCE OF THE SKY.

	Clear.	Cloudy.	Variable.
Early morning -----	11	9	11
Morning -----	2	9	20
Afternoon -----	2	14	15
Evening -----	9	11	11

Day.	Total wind velocity (kil. p. h.).	Atmidometer.	Rainfall.	Ozone.		Sunshine.	Bay.	Underground temperature, 8 a. m.			Meteors.
				6 a.	6 p.			25 cm.	50 cm.	1 m.	
1 ----	128.5	mm. 4.3	mm. 22.5	3.0	2.5	7-50	S	28.9	29.8	29.0	b° < T°
2 ----	210.0	4.9		2.5	3.5	9-30	S	29.3	29.8	29.0	b° < T°
3 ----	148.5	5.3	*26.8	1.5	3.0	9-50	S	29.4	30.1	29.2	b° < T°
4 ----	156.5	4.3		1.0	1.0	3-55	S	29.4	29.9	29.1	b° < T°
5 ----	*225.5	5.4		2.5	2.0	*10-10	S	30.0	30.2	29.1	b° < T°
6 ----	164.5	5.7		1.0	2.0	8-55	S	30.1	*30.4	29.1	b° < T°
7 ----	135.0	*3.1		0.5	3.0	5-55	S	*30.3	30.3	29.2	b° < T°
8 ----	161.5	4.1		0.5	1.5	6-55	S	29.8	30.2	29.3	b° < T°
9 ----	178.5	4.0	*0.6	2.0	3.0	8-20	S				b° < T°
10 ----	127.5	4.0		1.0	2.0	2-55	S				b° < T°
11 ----	150.0	5.3		1.5	2.0	6-05	S	29.2	30.0	29.2	b°
12 ----	162.5	*6.2		1.5	3.0	8-40	S	29.4	30.1	29.1	b°
13 ----	130.0	5.0		0.5	3.0	5-10	S	29.0	29.7	29.0	b°
14 ----	166.0	4.3		1.5	3.0	7-40	S	29.2	29.8	29.1	b° < T°
15 ----	133.5	5.0	7.7	2.0	2.5	8-25	S	29.4	30.0	*29.4	b° < T°
16 ----	108.0	6.0		2.0	2.5	8-30	S	29.8	30.0	29.1	b° < T°
17 ----	91.0	3.7		4.5	3.0	4-50	S	29.6	30.0	29.3	b° < T°
18 ----	*70.0	4.0		2.5	2.0	4-35	S	29.3	29.8	29.1	b° < T°
19 ----	104.0	5.6		2.5	3.5	3-35	S	28.3	29.3	29.0	b° < T°
20 ----	146.5	6.1		2.5	3.0	7-40	S	28.4	29.5	29.1	b° < T°
21 ----	115.0	5.3	1.2	2.5	3.0	3-30	S	28.5	29.2	29.0	b°
22 ----	96.0	4.3		3.0	3.5	7-10	S	28.5	29.2	29.0	b°
23 ----	132.5	5.9	1.8	0.5	2.0	9-20	S	28.3	29.3	29.0	b°
24 ----	113.5	3.2		2.5	2.5	6-30	S	28.4	29.3	29.0	b° < T°
25 ----	147.0	3.2	3.3	1.5	2.5	8-10	S	29.0	29.5	29.0	b° < T°
26 ----	158.0	4.6	2.9	2.0	3.0	*1-10	S	*28.1	*29.0	28.8	b° < T°
27 ----	136.5	4.5		0.5	3.5	8-55	S	28.6	29.3	28.9	b° < T°
28 ----	120.0	5.0		0.5	1.5	8-40	S	29.0	29.5	28.9	b° < T°
29 ----	170.5	5.1		0.5	4.0	8-15	S	28.4	*29.0	*28.7	b° < T°
30 ----	154.0	5.4		1.5	2.5	7-35	S	28.8	29.4	28.8	b° < T°
31 ----	161.0	4.3		1.5	2.5	1-50	S	28.5	*29.0	28.8	b° < T°
Total	4,401.5	147.1	69.6			210-30					
Mean	142.0	4.7	2.2	1.7	2.6	6-47		29.1	29.7	29.0	

ATMOSPHERIC PRESSURE, 700^{mm} +.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	58.65	58.35	58.40	58.40	58.61	59.00	59.62	60.08	*60.52	60.44	59.68	59.45
2-----	59.40	59.10	59.30	59.25	59.86	60.28	60.69	61.17	61.40	*61.44	61.04	60.46
3-----	60.75	60.60	60.75	60.80	60.85	61.39	61.63	62.07	62.19	*62.20	62.00	61.14
4-----	60.50	60.00	59.65	59.60	59.66	59.98	60.47	*60.88	60.85	60.70	60.31	59.64
5-----	59.60	59.10	58.90	58.85	59.07	59.40	59.67	60.00	59.99	59.82	59.35	58.76
6-----	60.10	59.80	59.70	59.85	60.11	60.59	60.99	61.41	61.64	61.35	60.76	60.27
7-----	60.95	60.45	60.20	60.35	60.41	61.00	61.40	61.79	*61.82	61.47	60.83	60.24
8-----	*59.90	59.20	59.00	58.85	58.93	59.00	59.28	59.55	59.51	59.11	58.26	57.79
9-----	57.50	57.35	57.50	57.80	57.51	58.31	58.75	59.01	*59.37	59.00	58.97	58.09
10-----	57.85	57.65	57.40	*57.35	57.61	58.23	58.91	59.42	59.55	59.40	59.02	58.62
11-----	59.20	58.65	58.35	58.45	58.61	59.08	59.39	59.71	60.01	59.99	59.68	58.99
12-----	59.95	59.35	59.00	58.75	58.93	59.64	60.05	60.53	60.70	60.54	59.97	59.39
13-----	60.05	59.90	59.40	59.40	59.46	59.77	60.32	60.71	*61.15	60.95	60.43	59.64
14-----	59.80	59.40	59.20	59.15	59.62	60.13	60.56	61.11	61.47	*61.50	61.28	60.88
15-----	60.60	60.20	60.00	59.95	60.26	60.66	61.29	61.75	*62.03	61.79	61.25	60.49
16-----	61.15	60.90	60.80	60.80	60.95	61.41	61.80	62.26	*62.58	62.43	62.33	61.63
17-----	61.65	61.35	61.10	61.35	61.59	61.81	62.32	62.72	*63.00	62.75	62.95	62.33
18-----	61.65	61.45	61.25	61.15	61.69	61.97	62.51	62.81	*63.13	63.00	62.47	61.94
19-----	62.25	61.85	61.65	61.60	61.89	62.25	62.59	62.99	63.21	63.12	62.77	62.08
20-----	62.75	62.35	62.25	62.25	62.46	62.97	63.46	63.78	*63.84	63.59	63.00	62.07
21-----	62.05	61.55	61.45	61.55	61.65	62.24	62.48	62.81	*62.91	62.65	61.92	61.19
22-----	61.40	60.90	60.70	60.75	61.04	61.31	61.65	61.89	61.85	61.97	61.28	60.79
23-----	61.80	61.45	61.30	61.25	61.68	61.79	62.25	62.54	62.55	62.60	62.50	62.05
24-----	61.75	61.35	60.85	60.70	60.95	61.56	61.63	61.80	62.15	62.02	61.63	61.06
25-----	61.40	60.90	60.55	60.45	60.91	61.31	61.64	61.95	62.30	*62.40	62.07	61.72
26-----	60.70	60.25	60.15	60.15	60.41	60.95	61.49	61.91	*62.04	61.84	61.35	60.56
27-----	61.00	60.60	60.45	60.55	61.00	61.45	62.16	62.46	62.65	62.27	61.68	61.11
28-----	61.90	61.55	61.35	61.10	61.09	61.77	62.15	*62.60	62.49	62.28	61.83	61.18
29-----	61.40	60.95	60.50	60.70	60.99	61.36	61.66	62.15	*62.28	62.09	61.62	60.98
30-----	60.90	60.60	60.20	60.25	60.58	60.99	61.49	62.03	*62.07	61.76	61.26	60.67
Mean	60.62	60.24	60.04	60.05	60.28	60.72	61.14	61.53	*61.71	61.55	61.12	60.51

TEMPERATURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	24.2	24.4	24.2	23.9	23.7	*23.2	23.9	24.8	27.3	27.7	28.6	28.8
2-----	25.2	25.0	24.5	24.3	23.9	*23.8	24.9	26.2	27.5	28.4	28.3	28.6
3-----	24.0	24.0	24.1	24.1	24.1	*23.8	*23.8	24.7	25.7	26.3	26.1	27.0
4-----	24.8	24.6	24.1	23.7	23.3	*23.2	24.1	26.1	28.2	29.3	29.6	29.9
5-----	25.0	24.7	24.3	24.4	23.9	*23.4	24.7	26.7	29.4	30.8	30.4	*31.3
6-----	24.3	24.3	23.7	23.5	*22.9	*22.9	24.2	26.3	28.1	28.9	29.9	29.7
7-----	24.9	24.7	23.9	23.5	23.3	*22.8	23.7	26.5	27.6	29.3	30.4	30.8
8-----	25.6	25.2	24.9	24.1	23.8	*23.7	24.9	25.6	26.1	26.5	26.1	26.7
9-----	*23.5	23.7	23.9	23.9	23.9	24.0	24.6	26.1	26.9	28.1	29.3	*29.8
10-----	24.8	24.9	24.9	24.4	24.2	*24.1	24.4	26.6	28.4	29.4	*29.9	29.1
11-----	23.7	23.8	23.9	23.4	23.0	*22.2	24.3	25.9	27.2	27.8	28.4	28.8
12-----	23.4	22.7	22.5	22.2	22.2	*21.3	21.8	23.9	26.1	27.4	27.9	28.8
13-----	22.4	21.9	21.0	20.7	*20.3	20.6	21.7	24.4	26.4	27.8	28.8	29.3
14-----	24.6	23.6	23.1	22.9	*22.1	*22.1	23.0	25.6	28.3	28.9	28.9	29.2
15-----	23.8	23.6	22.5	22.1	*21.8	21.9	23.6	25.9	27.6	27.8	28.7	29.5
16-----	22.9	23.1	22.8	22.7	21.9	*21.4	22.9	25.6	28.0	29.4	29.6	30.6
17-----	23.0	22.2	22.0	21.9	*21.1	*21.1	21.8	25.1	27.2	29.0	25.3	26.5
18-----	23.3	23.1	22.8	22.7	22.3	*22.1	22.4	24.9	26.6	28.7	29.6	30.4
19-----	23.4	23.5	22.6	22.0	21.2	*20.9	22.0	24.9	26.7	27.7	28.3	29.0
20-----	22.8	22.5	22.4	22.2	22.2	*21.9	22.8	25.0	27.3	27.7	27.8	29.4
21-----	23.4	22.8	21.6	21.7	21.6	*21.3	21.7	24.8	27.1	27.6	28.7	29.3
22-----	24.0	23.5	23.0	22.0	*21.1	*21.1	22.2	25.5	27.2	27.2	28.2	28.3
23-----	23.6	23.5	23.6	23.5	*23.4	*23.4	23.7	24.2	25.3	26.8	27.6	27.9
24-----	23.9	24.0	24.2	24.1	23.7	*23.1	24.2	26.0	27.4	28.5	29.0	29.3
25-----	23.9	23.6	23.4	23.3	*23.0	23.2	23.9	24.8	26.4	27.6	27.2	28.3
26-----	23.7	23.6	23.4	23.2	22.8	*22.2	22.9	26.0	28.2	28.8	28.7	29.9
27-----	23.6	22.9	22.6	22.5	*22.2	22.6	23.8	25.5	27.8	28.3	29.2	28.4
28-----	22.2	21.8	22.0	21.3	21.2	*21.1	21.6	24.6	26.8	28.9	30.6	31.1
29-----	23.6	23.6	23.4	23.0	*22.8	*22.8	23.4	25.9	27.4	28.1	29.3	29.0
30-----	23.2	23.1	23.1	23.0	*22.8	*22.8	23.7	25.3	28.3	29.9	30.4	31.0
Mean	23.8	23.6	23.3	23.0	22.7	*22.5	23.4	25.4	27.3	28.3	28.7	29.2

OBSERVATIONS FOR NOVEMBER, 1902.

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ATMOSPHERIC PRESSURE, 700mm +.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
58.63	57.94	*57.92	58.14	58.82	58.98	59.35	59.81	60.26	60.35	60.35	60.00	59.24
59.66	58.90	*58.89	59.18	59.66	59.96	60.63	60.94	61.17	61.20	61.20	61.00	60.24
60.49	59.88	*59.44	59.82	60.20	60.55	60.90	61.43	61.44	61.15	60.85	60.80	60.97
58.89	58.49	*58.16	58.29	58.59	59.10	59.84	60.24	60.43	60.55	60.15	60.10	59.79
58.22	*57.77	57.79	58.01	58.48	58.89	59.33	59.78	59.93	60.25	60.35	*60.40	59.24
59.67	59.04	*58.88	59.15	59.54	60.00	60.52	61.31	61.49	*61.70	61.40	61.10	60.44
59.64	59.25	*59.11	59.22	59.58	60.03	60.40	60.89	61.02	61.05	60.75	60.35	60.51
56.85	55.76	54.86	*54.51	54.91	55.22	55.31	55.99	56.97	57.65	58.30	57.90	*57.61
57.59	57.00	*56.64	56.95	57.09	57.52	58.24	59.04	59.23	59.25	58.90	58.45	58.13
58.25	57.89	57.48	57.63	58.11	58.46	59.09	59.79	60.04	*60.30	60.20	59.80	58.67
58.27	57.92	57.56	*57.54	58.09	58.63	59.38	60.30	*60.77	60.70	60.60	60.45	59.18
58.73	58.12	57.90	*57.76	57.96	58.19	58.86	59.55	60.13	60.70	*60.75	60.50	59.41
58.88	58.23	*58.02	58.10	58.39	58.78	59.47	59.81	60.19	60.40	60.25	60.10	59.66
60.43	59.19	*58.92	58.93	59.24	59.49	60.09	60.84	61.24	61.10	61.00	60.85	60.23
59.71	59.21	*58.98	59.14	59.59	60.15	60.94	61.44	61.50	61.60	61.50	61.65	60.65
61.07	60.58	*60.31	60.43	60.64	61.08	61.64	62.08	62.35	62.55	62.50	62.35	61.53
61.33	60.95	*60.49	60.61	61.06	61.54	61.90	62.20	62.57	62.55	62.55	62.25	61.87
61.22	60.64	*60.47	60.67	61.03	61.21	61.77	62.29	62.39	62.55	62.45	62.40	61.84
61.42	60.93	*60.71	61.02	61.43	62.24	62.70	63.25	63.35	*63.50	63.30	63.10	62.30
61.31	60.86	*60.69	60.84	61.17	61.72	62.35	62.55	62.65	62.75	62.50	62.30	*62.35
60.44	*60.07	*60.07	60.28	60.54	60.87	61.40	61.75	61.87	61.90	61.90	61.70	61.55
60.32	59.90	*59.74	59.88	60.52	61.08	61.27	61.63	61.92	*62.00	61.85	61.90	61.15
60.98	60.53	*60.39	60.42	61.04	61.28	61.74	62.43	62.47	*62.85	62.60	62.15	61.78
60.28	59.58	*59.29	59.66	60.14	60.64	61.17	61.85	*62.17	62.15	61.90	61.55	61.16
60.78	60.01	59.53	*59.38	59.85	60.19	60.90	61.18	61.44	61.65	61.50	61.00	61.04
59.94	59.69	*59.49	59.59	59.83	60.23	60.69	61.20	61.83	62.00	61.95	61.60	60.83
60.17	59.91	*59.82	59.86	60.42	60.94	61.37	62.07	62.47	*62.75	62.55	62.15	61.33
60.29	59.93	*59.63	59.92	60.44	61.03	61.69	62.11	62.05	61.95	61.85	61.80	61.42
60.06	59.76	*59.51	59.68	60.33	60.52	60.97	61.60	61.95	61.75	61.35	61.40	61.06
60.06	59.56	*59.27	59.36	59.75	60.21	60.68	61.50	61.74	61.95	61.90	61.85	60.86
59.79	59.25	*59.00	59.13	59.55	59.96	60.49	61.03	61.30	61.43	61.31	61.10	60.53

TEMPERATURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
29.6	*29.8	*29.8	*29.8	28.1	26.7	26.1	25.6	25.6	25.5	25.4	25.3	26.3
29.3	*29.4	29.3	28.3	27.6	27.1	26.7	25.7	25.3	25.1	24.7	24.3	26.4
28.9	*30.1	29.9	27.4	27.1	27.0	26.5	25.6	25.1	25.0	24.8	24.7	25.8
*31.2	30.9	30.8	30.9	27.2	26.0	25.4	25.1	25.5	25.2	25.0	25.0	26.6
29.7	29.6	30.2	28.2	27.6	26.9	26.2	25.8	25.6	25.5	25.1	24.7	26.8
30.6	31.5	31.2	*31.8	29.9	29.1	28.1	26.6	26.3	26.3	26.2	25.6	*27.2
31.3	*31.6	31.2	30.6	29.3	27.9	27.0	26.6	26.7	26.6	26.1	25.7	*27.2
26.1	26.3	27.0	26.9	*27.2	26.6	26.6	27.2	26.4	25.1	24.1	*23.7	25.7
*29.8	29.6	29.6	29.0	28.2	27.3	26.6	26.1	26.1	26.0	25.5	25.0	26.5
29.6	29.8	29.8	29.3	26.8	26.5	26.1	25.6	25.4	25.0	24.6	24.5	26.6
30.1	30.1	*30.7	30.5	29.3	27.3	26.1	25.4	25.0	24.8	24.0	23.5	26.2
29.6	*30.8	30.3	30.2	29.1	27.4	26.1	25.0	24.9	24.3	23.8	22.9	25.6
29.1	29.1	*29.7	29.4	29.6	28.4	27.1	26.6	25.7	25.4	24.9	24.8	25.6
27.6	29.7	*31.0	30.7	29.4	28.4	27.8	25.6	24.9	24.4	23.8	23.9	26.2
30.1	30.6	*31.7	30.1	28.3	27.3	26.1	24.7	24.5	24.0	23.8	23.6	26.0
29.8	30.5	30.3	29.3	27.9	26.6	25.6	25.2	24.9	25.0	24.2	23.4	26.0
28.2	28.4	29.6	*29.7	28.1	26.5	24.6	24.6	24.6	24.3	23.9	23.6	*25.1
31.0	*31.2	30.7	28.6	27.8	27.2	25.9	25.6	25.4	25.1	24.0	23.0	26.0
*30.2	29.9	29.6	27.4	26.8	26.0	25.8	25.4	25.2	25.1	24.4	23.5	25.5
29.8	29.7	*30.2	30.1	29.2	27.7	26.1	24.8	25.0	24.6	24.0	23.5	25.8
29.0	*30.6	30.0	29.9	28.7	28.1	26.7	26.3	25.9	25.6	24.8	24.7	25.9
28.7	29.2	*29.7	28.7	27.7	26.8	25.7	25.3	24.9	24.6	24.3	24.0	25.5
29.3	28.9	*29.7	29.4	28.7	27.6	26.2	25.3	25.3	24.7	24.7	24.3	25.9
*31.3	31.1	30.6	29.9	28.4	27.0	26.7	26.6	26.6	26.0	25.2	24.5	26.7
27.8	*28.7	28.3	28.0	27.1	26.4	25.8	25.3	24.9	24.6	24.2	24.0	25.6
30.2	*30.7	29.9	29.6	28.8	27.1	26.4	25.5	25.0	24.8	24.7	24.3	26.3
30.8	*30.9	30.6	29.7	27.8	26.4	25.4	24.7	25.0	24.8	23.8	23.1	25.9
31.7	*31.8	30.3	29.9	28.2	26.8	25.4	24.7	24.0	23.8	23.8	23.7	25.7
29.9	29.5	*30.1	29.0	27.7	26.1	24.8	24.8	24.6	24.5	23.8	23.1	25.8
*31.4	30.7	30.4	29.7	28.0	26.5	25.7	24.8	24.2	23.9	23.4	23.1	26.2
29.7	30.0	*30.1	29.4	28.2	27.1	26.2	25.5	25.3	25.0	24.5	24.1	26.1

RELATIVE HUMIDITY.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	89.0	91.0	90.0	90.0	91.0	*96.0	95.0	92.0	81.0	79.0	74.0	73.0
2-----	91.0	92.0	93.0	93.0	95.0	*96.0	93.0	90.0	86.0	82.5	83.0	78.0
3-----	95.0	*96.0	93.0	91.0	90.0	93.0	94.0	93.0	88.0	85.5	87.0	82.0
4-----	*95.0	*95.0	*95.0	94.0	*95.0	*95.0	92.0	85.0	77.0	72.0	72.0	*67.0
5-----	87.5	88.0	89.0	89.0	91.0	*95.0	89.0	81.0	72.0	71.0	70.0	*64.5
6-----	92.0	93.0	93.0	93.0	*95.0	*95.0	91.0	85.0	74.0	74.0	70.0	72.0
7-----	88.0	87.0	92.0	94.0	94.0	*95.0	92.0	83.0	76.0	70.0	66.0	57.0
8-----	81.0	83.0	86.0	89.0	90.0	88.0	87.0	80.0	80.0	*79.0	84.0	*79.0
9-----	98.0	*99.0	*99.0	*99.0	98.0	97.0	94.0	89.0	84.0	79.0	72.0	71.0
10-----	84.0	84.0	86.0	87.0	86.0	86.0	87.0	81.0	78.0	76.0	69.0	69.0
11-----	91.0	89.0	89.0	90.0	93.0	*96.0	86.0	81.0	77.0	74.0	68.0	65.0
12-----	87.0	91.0	92.0	91.0	90.0	*94.0	*94.0	90.0	75.0	73.0	70.0	67.0
13-----	86.0	87.5	90.0	90.0	87.0	*91.0	90.0	82.0	76.0	70.0	64.5	*64.0
14-----	90.0	89.0	91.0	90.0	*92.0	*92.0	90.0	81.0	70.0	73.5	76.0	72.0
15-----	88.0	90.0	90.0	90.0	91.0	*93.0	88.0	83.0	75.0	78.0	75.0	68.5
16-----	85.0	87.0	88.0	90.0	92.0	*93.0	89.5	81.0	75.0	72.0	71.0	70.0
17-----	90.0	90.0	90.0	90.0	*94.0	*94.0	93.0	80.0	75.0	68.0	88.0	79.5
18-----	87.0	88.0	89.0	89.0	91.0	*92.0	91.0	83.0	77.0	68.0	56.0	57.0
19-----	87.0	89.0	91.0	*93.0	*93.0	92.0	90.0	82.0	74.0	70.0	63.0	62.0
20-----	90.0	90.0	90.0	92.0	93.0	95.0	92.0	82.0	73.0	71.0	67.0	61.0
21-----	86.0	89.0	93.0	*94.0	93.0	93.0	93.0	83.0	72.5	72.0	65.0	*63.0
22-----	87.0	89.0	91.0	92.0	*96.0	95.0	92.0	83.0	75.0	78.0	73.0	73.0
23-----	94.0	95.0	96.0	97.0	*98.0	*98.0	97.0	96.0	93.0	83.0	81.0	79.0
24-----	*96.0	*96.0	92.0	91.0	92.0	94.0	91.0	85.0	79.0	69.0	68.0	69.0
25-----	84.0	85.0	87.0	90.0	*93.0	91.0	92.0	90.0	83.0	79.0	84.0	70.0
26-----	94.0	93.0	94.0	94.0	95.0	*96.0	92.0	75.5	63.0	*60.0	72.0	62.0
27-----	90.0	92.0	94.0	95.0	*96.0	92.0	91.0	83.0	73.0	72.0	69.0	70.0
28-----	88.0	88.0	88.0	89.0	92.0	*94.0	93.0	82.5	74.5	67.0	55.0	59.5
29-----	87.0	88.0	89.0	*90.0	*90.0	*90.0	89.0	79.0	73.0	68.0	64.0	68.0
30-----	82.0	86.0	89.0	90.0	90.0	*92.0	88.0	84.0	66.0	60.0	57.0	*56.0
Mean	89.0	90.0	91.0	91.5	92.5	*93.4	91.2	84.2	76.5	73.1	71.1	68.3

VAPOR PRESSURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	20.0	20.6	20.2	19.8	*19.7	20.2	20.9	21.3	22.0	21.7	21.6	21.6
2-----	21.6	21.6	21.3	21.0	*20.9	*20.9	21.8	22.8	23.4	*23.7	*23.7	22.6
3-----	21.0	21.2	20.8	20.4	*20.0	20.4	20.6	21.5	21.5	21.7	21.8	21.7
4-----	22.1	21.8	21.1	20.5	20.1	20.0	20.6	21.3	21.7	21.9	22.1	21.1
5-----	20.6	20.4	*20.1	20.2	*20.1	20.3	20.6	21.1	21.8	*23.3	22.4	21.9
6-----	20.9	21.1	20.3	20.0	19.7	*19.6	20.5	21.6	20.8	21.9	22.0	22.3
7-----	20.6	20.2	20.3	20.2	20.0	19.5	20.1	*21.4	20.8	21.1	21.2	18.8
8-----	19.8	19.9	20.1	19.8	19.7	*19.1	20.3	19.5	20.1	20.3	21.1	20.5
9-----	21.1	21.6	21.9	21.9	21.6	21.6	21.6	22.2	22.1	22.2	21.7	22.0
10-----	19.6	19.7	20.1	19.7	19.4	*19.3	19.8	21.0	22.4	23.0	21.7	20.6
11-----	19.7	19.4	19.6	19.3	19.4	19.0	19.3	20.2	20.6	20.6	19.6	19.2
12-----	18.6	18.7	18.6	18.1	17.9	*17.6	18.2	19.8	18.8	19.7	19.6	19.8
13-----	17.3	17.1	16.6	16.3	*15.4	16.5	17.4	18.5	19.3	19.5	19.0	19.5
14-----	20.7	19.2	19.1	18.7	*18.2	*18.2	18.8	19.8	20.1	21.7	*22.4	21.8
15-----	19.3	19.4	18.3	17.8	17.7	18.1	19.0	20.6	20.5	21.6	21.8	20.9
16-----	17.7	18.3	18.1	18.5	17.9	17.6	18.6	19.7	21.1	22.1	21.9	*22.7
17-----	18.7	17.9	17.7	17.6	*17.4	*17.4	18.0	19.0	20.2	20.3	*21.2	20.4
18-----	18.5	18.4	18.5	18.2	18.2	18.2	18.3	19.5	19.8	19.8	17.4	18.5
19-----	18.6	19.1	18.6	18.2	17.3	*16.8	17.7	19.1	19.4	19.5	18.0	18.5
20-----	18.6	18.3	18.2	18.3	18.5	18.5	19.0	19.3	19.8	19.7	18.7	18.6
21-----	18.4	18.3	17.8	18.1	17.8	*17.5	17.9	19.4	19.3	19.8	19.1	19.1
22-----	19.3	19.1	19.0	18.0	17.9	*17.8	18.3	20.1	20.0	21.0	20.8	20.9
23-----	*20.3	20.4	20.7	21.0	21.0	21.0	21.0	21.5	22.2	21.8	22.1	22.0
24-----	21.1	21.2	20.7	20.4	20.1	19.7	20.3	21.3	21.4	20.0	20.3	20.9
25-----	*18.5	*18.5	18.6	19.2	19.4	19.3	20.3	20.9	21.3	21.7	*22.6	20.1
26-----	20.5	20.1	20.1	19.9	19.5	19.2	19.1	18.9	18.1	*17.7	21.1	19.5
27-----	19.4	19.1	19.1	19.2	19.0	18.7	19.8	20.1	20.2	20.5	*20.7	20.0
28-----	17.6	17.1	17.2	*16.8	17.2	17.4	17.8	18.9	19.5	19.7	18.1	*20.0
29-----	18.8	19.0	19.0	18.8	18.6	18.6	19.0	19.6	19.9	19.3	19.5	20.3
30-----	17.3	18.1	18.6	18.7	18.6	19.0	19.1	20.2	18.8	18.7	18.4	18.7
Mean	19.5	19.5	19.3	19.2	*18.9	*18.9	19.5	20.3	20.6	20.8	20.7	20.5

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RELATIVE HUMIDITY.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
70.0	*69.0	70.0	72.0	81.0	87.0	90.0	93.0	92.0	92.0	93.0	93.0	85.1
76.0	78.0	*73.0	79.0	83.0	87.0	86.0	93.0	94.0	94.0	*96.0	94.0	87.7
75.0	75.0	*70.0	89.0	88.0	89.0	93.0	94.0	95.0	95.0	95.0	95.0	*89.2
67.5	*67.0	71.0	70.0	88.0	87.0	89.0	90.0	82.0	87.0	88.0	88.0	83.7
71.0	72.0	71.0	77.0	79.0	82.0	82.0	84.5	88.0	88.0	91.0	91.0	81.8
68.5	*65.0	67.0	66.0	74.0	78.0	79.0	83.0	84.0	84.0	81.0	84.0	80.9
57.0	55.0	57.0	*50.0	61.0	66.0	72.0	74.0	74.0	74.0	78.0	81.0	74.7
86.0	87.0	90.0	89.0	87.0	85.0	81.0	81.0	94.0	94.0	*99.0	*99.0	86.6
72.0	72.0	*69.0	77.0	76.0	79.0	83.0	85.0	82.0	83.0	85.0	86.0	84.5
*67.0	*67.0	*67.0	77.0	84.0	83.0	87.0	*90.0	88.0	82.0	87.0	89.0	80.9
*61.0	65.0	63.0	68.0	68.0	79.0	83.0	84.0	86.0	85.0	89.0	88.0	79.9
64.0	65.0	66.0	*63.0	69.5	75.0	80.0	86.0	83.0	86.0	83.0	88.0	80.1
66.0	66.0	66.0	71.0	72.0	78.0	81.0	83.0	89.0	88.0	*91.0	90.0	80.0
77.0	72.0	*66.0	67.0	72.0	77.0	81.0	90.0	*92.0	85.0	85.5	85.0	81.5
66.0	67.0	62.0	*57.5	67.0	74.0	74.0	79.0	75.0	81.0	81.0	82.0	78.1
69.0	*54.0	55.0	57.0	67.5	74.0	78.0	80.0	81.0	81.0	86.0	87.0	77.6
70.0	74.0	66.5	*66.0	68.0	73.5	83.0	83.0	85.0	87.0	87.0	88.0	81.8
52.0	*49.0	56.0	64.0	74.0	78.0	76.0	78.0	82.0	83.0	86.0	90.0	76.5
60.5	*57.0	60.0	73.0	74.0	78.5	79.0	81.0	80.0	80.0	82.0	87.0	78.2
61.0	63.0	*60.5	65.0	64.0	70.0	77.0	79.0	76.0	79.0	82.0	85.0	77.4
70.0	65.0	66.0	70.0	73.0	77.0	82.0	85.0	84.0	84.0	87.0	84.0	80.1
73.0	68.0	*63.0	69.0	71.0	75.0	83.0	83.5	86.0	86.0	86.5	89.0	81.5
*75.0	76.0	76.0	78.0	80.0	83.0	86.0	88.0	89.0	92.0	92.0	94.0	88.2
66.0	51.0	*50.0	54.0	66.0	72.0	71.0	71.0	71.0	74.0	77.0	81.0	76.1
79.0	*65.0	71.0	73.0	78.0	83.0	84.0	86.0	87.0	87.0	91.0	92.0	83.5
67.0	64.0	61.0	64.0	73.0	75.0	80.0	84.0	86.0	87.0	86.0	87.0	79.4
61.0	*57.0	*57.0	59.5	67.0	70.0	73.0	79.0	78.0	78.0	80.0	84.0	77.8
*49.0	50.0	55.0	54.0	60.0	69.0	78.0	79.0	84.0	85.0	85.0	85.0	75.1
66.0	70.0	68.0	*59.5	63.0	69.0	75.0	74.0	71.0	75.0	78.0	80.0	76.0
61.5	63.0	*56.0	58.0	65.0	68.0	69.0	72.0	82.0	83.0	84.0	84.0	*74.4
67.5	65.6	*65.0	67.9	73.1	77.4	80.5	83.1	84.0	84.7	86.6	87.7	80.6

VAPOR PRESSURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
21.5	21.4	21.8	22.4	*22.9	22.7	22.6	22.8	22.4	22.2	22.5	22.2	21.5
22.9	*23.7	22.1	22.5	22.8	23.1	22.5	22.7	22.6	22.3	22.2	21.2	*22.3
22.2	23.7	22.0	*24.1	23.5	23.5	23.9	22.9	22.5	22.4	22.1	21.9	22.0
22.8	22.4	23.3	23.2	*23.6	21.7	21.5	21.3	*19.9	20.7	20.8	20.8	21.5
22.0	22.1	22.5	22.0	21.7	21.6	20.8	20.8	21.4	21.5	21.5	21.0	21.3
22.3	22.4	22.6	23.1	*23.2	*23.2	22.4	21.4	21.3	21.3	20.4	20.6	21.5
19.4	19.1	19.3	*16.4	18.5	18.4	19.0	19.1	19.4	19.2	19.5	19.8	19.6
21.7	22.1	23.7	23.4	23.2	21.9	21.0	21.8	*23.9	22.3	22.1	21.6	21.2
22.4	22.3	21.1	*22.9	21.6	21.3	21.4	21.4	20.7	20.7	20.7	*20.2	21.6
20.7	21.0	20.7	*23.4	22.0	21.4	21.8	22.0	21.1	*19.3	19.9	20.3	20.8
19.4	20.6	20.8	*22.2	20.6	21.3	20.9	20.2	20.3	19.8	19.7	*18.9	20.0
19.7	*21.3	21.2	20.1	20.8	20.3	20.1	20.2	19.5	19.3	18.2	18.2	19.3
19.8	19.8	20.5	21.6	22.2	*22.4	21.5	21.4	21.9	21.3	21.2	20.9	19.5
21.1	22.3	22.1	22.1	22.1	22.3	*22.4	22.0	21.4	19.3	18.7	18.7	20.6
21.0	*21.9	21.6	18.2	19.1	19.9	18.6	18.2	*17.2	17.9	17.8	17.8	19.3
21.4	17.6	17.7	*17.4	18.8	19.2	18.9	19.2	19.0	19.1	19.2	18.6	19.2
19.8	*21.2	20.5	20.4	19.3	18.9	19.2	19.2	19.5	19.7	19.2	19.0	19.2
17.3	*16.6	18.4	18.6	20.6	*20.8	18.9	19.1	19.8	19.6	19.2	18.8	18.8
19.3	17.9	18.5	*19.7	19.3	19.6	19.5	19.6	19.2	19.0	18.7	18.7	18.7
19.0	19.6	19.3	*20.6	19.1	19.3	19.4	18.3	*17.8	18.1	18.3	18.2	18.9
20.8	21.3	20.9	*21.9	21.4	21.8	21.3	21.6	20.8	20.4	20.2	19.5	19.8
*21.4	20.3	19.5	20.2	19.7	19.7	20.4	20.0	20.1	19.7	19.5	19.7	19.7
22.8	22.4	23.5	*23.7	23.6	22.8	21.8	21.2	21.4	21.4	21.4	21.2	21.8
*22.3	17.2	*16.4	16.8	18.9	19.2	18.4	18.3	18.5	18.5	18.4	18.5	19.5
22.0	19.1	20.3	20.5	20.7	21.3	20.7	20.6	20.3	20.1	20.5	20.5	20.3
21.3	21.0	19.1	19.9	*21.4	20.1	20.5	20.5	20.3	20.3	19.8	19.7	19.9
19.5	18.9	18.7	18.4	18.7	18.0	*17.6	18.4	18.3	18.7	18.7	17.7	19.1
17.0	17.4	17.8	17.0	17.1	18.0	18.8	18.4	18.6	18.6	18.6	18.6	*18.0
20.7	*21.6	*21.6	17.7	17.4	17.3	17.4	17.2	*16.3	17.2	17.1	16.9	18.7
*21.0	20.6	18.0	18.1	18.2	17.6	*16.8	16.9	18.5	18.3	17.9	17.8	18.5
*20.8	20.6	20.5	20.6	20.7	20.6	20.3	20.2	20.1	19.9	19.8	19.6	20.1

UPPER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1			A. cu. SE.		A. cu. SE.	A. cu.
2	Ci. s.	A. cu.	A. cu.			
3	Ci. s.	Ci. s.	Ci. s.			A. cu.
4		A. cu. E. by N.	A. cu. E. by N.		Ci.	
5						
6	Ci. E.	Ci.	Ci. E.			
7	Ci.	Ci.	Ci. E.	Ci.	Ci.	
8		Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
9				Ci. s.		Ci. s.
10	Ci. s.	Ci.	Ci.	Ci.	Ci.	Ci. s.
11	Ci. s.	Ci. cu. E.	Ci. s.	A. cu. ENE.	A. cu.	Ci.
12	Ci. s.	Ci. s. E.	Ci. s. E.	Ci. s.	Ci. s.	Ci. s.
13	Ci.	Ci. s.	Ci. s.	Ci.	Ci.	Ci.
14	Ci. cu.	Ci. ENE.	Ci. ENE.	Ci.		
15						
16	Ci.	Ci.	Ci.	Ci.		Ci.
17			A. cu.	A. cu.		
18	A. cu.	A. cu.	A. cu.			
19					A. cu.	A. cu.
20	Ci.	Ci.	Ci.	Ci.		Ci. s.
21	A. cu. ENE.	A. cu.	Ci. cu.			
22	A. cu.					
23	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
24	A. cu.	Ci.	A. cu. ENE.	A. cu. ENE.		A. cu.
25	A. cu. ENE.	Ci. s. E. by N.	Ci. s.		Ci. cu.	
26	Ci.	Ci.	A. cu.	A. cu.		Ci. s.
27	A. cu.	A. cu.	A. cu.	A. cu.		Ci. s.
28						
29				A. cu. ENE.	A. cu.	
30	Ci.	A. cu.	A. cu. NE.		Ci. s.	Ci. s.

LOWER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	S. cu. E. by S.	Fr. N.	Cu. SE. by S.	Cu. E. by S.	N. cf. E.	N. cf.
2	Cu. N.	Cu. N. E.	Cu. N. E.	Cu. N.	Fr. N. NE.	Cu. N.
3	S. cu.	S. cu. E.	S. cu.	S. cu.	Cu. N.	S. cu.
4	Cu.	Cu.	Cu.	Cu. NE. by E.	Cu.	Cu.
5	S. cu.	Cu.	Cu.	Cu. NE. by E.	Cu.	Cu.
6	Cu.	Cu.	Cu.	Cu. NE.	Cu. NE.	N. cf. ENE.
7	S. cu.	S. cu.	S. cu.	Cu. NE.	Cu. NE.	Cu.
8	N. cf.	Cu. N. NNE.	S. cu.	N.	N.	N. N. by E.
9	Fr. N. SSE.	N. S. by E.	N.	N.	Cu.	Cu. N.
10	Cu.	S. cu. E.	Cu. E.	S. cu. E.	Cu. E. by N.	N. cf.
11	Cu.	S. cu.	Cu.	Cu.	Cu.	Cu.
12	S. cu.	Cu.	Cu.	Cu.	Cu.	Cu.
13	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
14	Cu.	Cu.	Cu.	Cu. E. by N.	N. cf. E.	N. cf.
15	Cu.	Cu.	S. cu. NE.	Cu. NE. by E.	Cu. NE. by E.	Cu.
16	Cu.	Cu.	Cu. N.	Cu. N. ENE.	N. cf. ENE.	Cu. N.
17	S. cu.	Cu.	Cu.	Cu. N. E.	N.	Cu. N.
18	S. cu.	S. cu. E.	S. cu. E.	Cu. E. by N.	Cu.	Cu.
19	Cu.	Cu.	Cu.	Cu. E. by N.	Cu. E. by N.	Cu.
20	S. cu. E. by N.	S. cu.	S. cu. E. by N.	Cu. E. by N.	Cu. ENE.	Cu.
21	S. cu.	S. cu.	S. cu.	Cu. ENE.	Fr. cu. E. by N.	Cu.
22	S. cu.	S. cu.	Cu. NE.	Cu. NE.	Cu.	Cu.
23	S. cu. NE. by E.	S. cu. NE. by E.	Cu. E.	Cu. E.	Cu.	Cu.
24	Cu.	Cu.	Cu.	Cu.	S. cu. E.	Cu.
25	Cu. N.	Cu.	S. cu. E. by N.	Fr. N. E. by N.	Cu. N.	Cu. N.
26	Cu.	Cu.	S. cu.	S. cu. ESE.	S. cu. ESE.	Cu.
27	Cu.	Cu.	Cu.	Cu. E.	Cu.	Cu.
28	S. cu.	S. cu. E.	Cu.	Cu. E.	Cu. E.	Cu.
29	Cu.	Cu.	Cu.	Cu. E. by N.	Cu. E. by N.	S. cu.
30	S. cu. E. by N.	S. cu. E. by N.	S. cu. E. by N.	N. cf. E. by N.	Fr. cu. E. by N.	Cu.

UPPER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
A. cu.	A. cu. SE. by E.	A. cu. SE. by E.	A. cu. ESE. A. cu. NE.	Ci. s. A. cu. A. cu.	Ci. s. A. cu.
A. cu. E.	A. cu. E.	A. cu.	Ci. s.	A. cu. Ci. s. Ci. s.	Ci. s. Ci. s. Ci. s.
A. cu. Ci. s.	A. cu. Ci. s. Ci. s.	Ci. s. Ci. s. ENE.	Ci. s.	Ci. s. Ci. s.	Ci. s. A. cu.
Ci. s. A. cu.	Ci. s. Ci. s.	Ci. s. Ci. s.	Ci. s. Ci. s.	Ci. s. Ci. s.	Ci. s. A. cu.
Ci. Ci. s. Ci.	Ci. Ci. s. Ci. E.	Ci. Ci. s. Ci. A. cu. NE. by N.	Ci. Ci. s. SE. Ci.	Ci. Ci. s. SE.	Ci. Ci. s.
Ci. Ci.	Ci. A. cu.	Ci. Ci. s.	Ci. Ci. s.	A. cu.	
Ci.	A. cu. Ci.	A. cu. Ci.	Ci.	Ci.	A. cu.
A. cu.	A. cu. ESE.	A. cu. E.	A. cu. Ci. s. Ci. s.	Ci. s.	Ci. s. Ci. s.
Ci. s.	Ci. s.	Ci. s.	A. cu. NE. by E. A. cu.	A. cu. E. by S.	A. cu.
Ci. s.	A. cu. A. cu.	A. cu. NE. by E. Ci. cu. ESE. A. cu.			
A. cu.	Ci.	Ci.	Ci.		Ci.

LOWER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
N. cf. E. N. cf. E. by N. Cu. N. ENE. Cu. N. cf. Cu. NE. N. Cu. Cu.	Cu. Cu. N. Cu. N. ENE. Cu. Cu. N. cf. NE. Cu. NE. N. Cu. Cu.	Cu. N. Cu. N. Cu. N. NE. by E. Cu. N. S. cu. Cu. Cu. N. Cu. S. cu. E. by N.	Cu. N. E. by S. N. cf. Cu. N. ENE. Cu. N. S. cu. Cu. Cu. N. Cu. S. cu. ENE.	Cu. N. S. cu. Cu. N. ENE. S. cu. S. cu. Cu. Cu. N. S. cu. S. cu. ENE.	Cu. N. S. cu. S. cu. S. cu. Cu. S. cu. N. S. cu. S. cu.
Cu. E. Cu. Cu. Cu. N. E. Cu. Cu. N. Cu. Cu. Cu. Cu.	Cu. E. Cu. ENE. Cu. Cu. Cu. E. N. cf. NE. Cu. NE. by E. Cu. E. by N. Cu. E.	Cu. E. S. cu. ENE. Cu. Cu. Cu. E. by N. Cu. E. N. cf. E. Cu. E. Cu. E.	Cu. E. by N. Cu. Cu. NE. Cu. Cu. E. Cu. E. Cu. E. S. cu. E.	Cu. E. Cu. Cu. NE. S. cu. NE. by N. Cu. Cu. E. by N. Cu. ENE. S. cu. S. cu.	Cu. Cu. S. cu. S. cu. Cu. S. cu. Cu. S. cu. S. cu.
Cu. ESE. N. cf. E. by N. N. cf. E. Cu. S. cu. S. cu. ESE. Cu. E. by N. Cu. E. by N. Cu. Cu. E. by N.	Cu. ESE. N. cf. E. by N. N. cf. E. Cu. S. cu. ESE. Cu. E. Cu. Cu. Cu.	N. cf. E. N. cf. E. by N. N. cf. E. S. cu. Cu. ENE. N. cf. E. by N. Cu. E. by N. Cu.	S. cu. Cu. N. E. by N. N. cf. E. S. cu. Cu. Cu. Cu. Cu.	S. cu. E. by N. Cu. N. E. by N. Cu. S. cu. S. cu. Cu. S. cu. Cu. S. cu.	S. cu. S. cu. Cu. N. S. cu. S. cu. Cu. S. cu. Cu. S. cu.

REPORT OF THE DIRECTOR OF THE PHILIPPINE WEATHER BUREAU.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
1	NNE.	1.0	Calm.		Calm.		Calm.		Calm.		Calm.	
2	Calm.		Calm.		Calm.		Calm.		Calm.		Calm.	
3	NNE.	1.0	NNE.	1.0	NNE.	2.0	NNE.	*3.0	Calm.		Calm.	
4	Calm.		Calm.		Calm.		Calm.		Calm.		Calm.	
5	Calm.		E.	0.5	N.	1.0	N.	*3.0	NE.	1.5	ENE.	0.5
6	Calm.		Calm.		Calm.		Calm.		Calm.		ENE.	1.0
7	NE.	1.5	Calm.		Calm.		Calm.		Calm.		Calm.	
8	NNW.	1.0	NNW.	1.0	NNW.	0.5	NNE.	1.0	Calm.		Calm.	
9	E.	2.0	Calm.		Calm.		Calm.		Calm.		Calm.	
10	ESE.	3.0	ESE.	2.5	Calm.		Calm.		ESE.	3.0	Calm.	
11	Calm.		Calm.		ENE.	1.0	Calm.		Calm.		Calm.	
12	E.	1.0	ENE.	1.0	ENE.	1.0	NE.	0.5	Calm.		NE.	1.0
13	Calm.		Calm.		S.	0.5	S.	0.5	ESE.	0.5	ESE.	1.0
14	Calm.		ENE.	1.0	NE.	1.0	NNE.	1.0	ENE.	1.0	ENE.	0.5
15	ESE.	0.5	Calm.		Calm.		Calm.		ENE.	2.0	Calm.	
16	Calm.		Calm.		Calm.		Calm.		Calm.		Calm.	
17	Calm.		Calm.		Calm.		Calm.		Calm.		Calm.	
18	ENE.	1.5	ENE.	1.5	ENE.	0.5	ENE.	0.5	NE.	1.0	NE.	1.0
19	Calm.		Calm.		Calm.		Calm.		Calm.		Calm.	
20	Calm.		Calm.		ENE.	0.5	ENE.	0.5	E.	0.5	Calm.	
21	Calm.		Calm.		ENE.	1.5	Calm.		Calm.		ESE.	1.5
22	Calm.		Calm.		Calm.		ENE.	1.0	Calm.		Calm.	
23	NE.	1.5	N.	1.5	NE.	1.0	N.	2.0	ENE.	1.0	Calm.	
24	Calm.		Calm.		NNE.	1.5	Calm.		Calm.		Calm.	
25	E.	1.5	E.	1.5	ENE.	1.5	E.	0.5	NE.	1.0	E.	1.0
26	NE.	0.5	NE.	0.5	NE.	1.0	Calm.		ENE.	1.0	Calm.	
27	ENE.	1.0	E.	0.5	E.	0.5	NE.	0.5	E.	0.5	Calm.	
28	ESE.	1.5	ESE.	1.0	ENE.	1.0	ENE.	1.0	E.	0.5	NE.	1.0
29	Calm.		Calm.		Calm.		ENE.	1.0	ENE.	1.0	Calm.	
30	ENE.	1.0	ENE.	2.0	NE.	1.0	NE.	1.5	ENE.	1.0	NE.	1.0
Mean.		0.6		0.5		0.6		0.6		0.5		*0.3

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
1	WSW.	1.5	Calm.		WSW.	1.5	SW.	1.0	SSE.	*4.0	SE.	0.5
2	Calm.		Calm.		Calm.		NNE.	*2.0	N.	0.5	Calm.	
3	WNW.	1.0	W.	2.0	NW.	2.0	SE.	2.0	S.	1.5	Calm.	
4	SW.	*2.5	WSW.	*2.5	SW.	*2.5	SSW.	1.5	SE.	2.0	Calm.	
5	S.	2.5	Calm.		SE.	2.5	SE.	2.5	Calm.		SE.	2.0
6	SW.	*3.0	SW.	1.0	SW.	1.5	Calm.		Calm.		Calm.	
7	NNE.	*5.0	ENE.	2.5	E.	1.0	E.	2.0	ENE.	2.5	ENE.	1.5
8	WNW.	2.0	W.	2.0	W. by S.	8.0	W.	7.0	W. by S.	9.0	W. by S.	*11.0
9	ESE.	2.5	ESE.	1.0	ESE.	3.0	Calm.		Calm.		SE.	2.0
10	N.	3.0	WNW.	*4.5	W.	2.0	N.	4.0	NE.	2.0	N.	1.0
11	W.	2.5	W.	1.5	WSW.	2.0	W.	1.5	ESE.	1.0	Calm.	
12	W.	2.5	WSW.	0.5	WSW.	1.0	SE.	0.5	Calm.		SE.	3.0
13	W.	2.0	W.	*2.5	W.	*2.5	NW.	1.5	Calm.		Calm.	
14	ENE.	0.5	SW.	0.5	S.	1.0	SSW.	0.5	Calm.		Calm.	
15	WSW.	2.5	SW.	*3.0	Calm.		E.	1.5	E.	2.0	NE.	1.0
16	NE.	3.0	E.	4.0	ENE.	*5.0	E.	4.5	ENE.	1.0	NE.	1.5
17	NW.	*4.0	W.	3.5	Calm.		Calm.		NE.	2.5	ENE.	2.5
18	E.	2.0	Calm.		NW.	*4.0	E.	2.0	E.	2.0	E.	2.0
19	NE.	1.0	E.	1.5	E.	1.0	E.	1.5	E.	1.0	E.	0.5
20	NW.	3.0	NW.	1.5	WNW.	2.0	WNW.	2.0	ESE.	1.0	Calm.	
21	WNW.	2.0	WNW.	2.0	W.	2.5	SSW.	2.5	S.	3.0	SSE.	0.5
22	WSW.	2.5	NNE.	3.5	NNE.	*4.5	N.	4.0	NNE.	3.0	NE.	2.0
23	W.	2.0	W.	*2.5	W.	1.5	WNW.	*2.5	Calm.		NE.	1.5
24	S.	0.5	E.	4.5	E.	3.5	E.	4.0	NE.	1.5	Calm.	
25	NE.	*3.0	Calm.		NW.	*3.0	NNE.	1.5	NNE.	2.0	NNE.	*3.0
26	WSW.	2.0	Calm.		E.	*5.0	ESE.	2.0	Calm.		Calm.	
27	E.	2.0	ENE.	2.5	E.	*5.0	E.	3.5	E.	2.0	E.	2.0
28	NE.	2.0	ENE.	3.0	ENE.	*8.0	ENE.	5.0	E.	3.0	NE.	1.5
29	W.	1.5	SW.	1.0	WSW.	2.0	NE.	*4.0	NE.	3.0	NE.	1.5
30	ESE.	1.5	WNW.	2.5	E.	2.0	E.	2.0	E.	2.0	E.	3.5
Mean.		2.2		1.8		*2.6		2.3		1.7		1.5

OBSERVATIONS FOR NOVEMBER, 1902.

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WIND—DIRECTION AND FORCE IN M. P. S.

7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
Calm.	Calm.	Calm.	W. 1.5	WSW. 3.0	NW. *4.0
Calm.	Calm.	Calm.	NE. 0.5	ENE. 1.0	Calm.
Calm.	Calm.	Calm.	Calm.	NE. 2.5	Calm.
Calm.	Calm.	Calm.	W. 2.0	WSW. 2.0	W. 1.5
NE. 1.5	E. 1.0	ESE. 0.5	Calm.	SW. 2.5	SSW. 1.0
Calm.	NE. 0.5	Calm.	W. 1.5	SW. 2.5	SW. *3.0
Calm.	Calm.	W. 1.0	NE. 0.5	Calm.	NE. 2.5
N. 1.5	NNW. 4.0	NW. 2.0	NNE. 2.0	N. 2.0	NNW. 2.5
Calm.	ESE. 2.0	ESE. 2.0	ESE. *4.0	ESE. 3.0	SE. *4.0
Calm.	ENE. 2.0	Calm.	NE. 2.0	NNW. 4.0	WNW. 2.0
ENE. 1.0	NNW. 3.0	WNW. *4.5	WSW. 1.0	WNW. 3.5	W. 3.5
NE. 0.5	Calm.	Calm.	W. 1.0	W. 3.0	W. *3.5
ESE. 0.5	NE. 2.0	NE. 1.0	Calm.	SW. 2.0	W. 0.5
Calm.	Calm.	Calm.	SW. 1.0	SW. 1.0	WSW. *2.0
Calm.	Calm.	WNW. 2.5	WSW. 2.5	WSW. 1.5	SW. 2.0
Calm.	Calm.	NE. 0.5	WSW. 1.5	Calm.	S. 1.5
Calm.	E. 0.5	NE. 1.0	NNW. 1.5	ESE. 2.0	E. 1.0
Calm.	NE. 2.5	NE. 3.5	NE. 1.5	E. *4.0	E. 1.5
Calm.	ENE. 1.5	NW. *4.0	NW. 2.0	W. 3.0	W. 3.0
Calm.	Calm.	NW. 1.5	WNW. 2.0	NW. *5.0	NW. 3.5
ESE. 1.0	E. 0.5	N. 3.0	WNW. 2.0	NW. *4.0	NW. 3.0
Calm.	Calm.	SW. 1.0	W. 0.5	W. 2.0	WSW. 1.5
Calm.	Calm.	Calm.	NW. 2.0	Calm.	Calm.
Calm.	Calm.	W. 2.0	WSW. 2.0	WSW. 4.0	WSW. 2.5
NE. 1.0	Calm.	Calm.	Calm.	NE. 0.5	ESE. 1.5
NE. 3.0	NE. 2.5	E. *5.0	E. 3.0	SE. 2.0	E. 2.5
Calm.	NNE. 0.5	NE. 2.5	NE. 2.5	NE. 1.5	ENE. 4.0
NE. 0.5	NE. 1.5	NE. 2.0	Calm.	ESE. 1.5	E. 3.0
NNE. 2.5	Calm.	NW. 3.0	W. 1.5	SW. 2.0	SW. 2.0
ENE. 2.0	Calm.	E. *4.0	ESE. 1.5	ESE. 3.0	E. 1.5
0.5	0.8	1.6	1.4	2.3	2.1

7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
Calm.	Calm.	N. 2.0	Calm.	Calm.	N. 1.0	0.9
N. 1.0	Calm.	Calm.	Calm.	Calm.	NNE. 1.0	*0.2
Calm.	Calm.	Calm.	Calm.	Calm.	Calm.	0.8
ESE. 0.5	Calm.	Calm.	Calm.	Calm.	Calm.	0.7
ESE. 1.5	Calm.	Calm.	SE. 2.0	SSE. 1.5	Calm.	1.1
Calm.	Calm.	Calm.	Calm.	N. 2.5	NNE. 2.0	0.8
Calm.	Calm.	N. 1.0	Calm.	Calm.	Calm.	0.9
WSW. 10.0	WSW. 8.0	SSW. 7.0	S. by W. 6.5	S. 7.0	Calm.	*4.0
Calm.	SE. 2.0	SE. 3.0	SE. 2.0	SE. 0.5	ESE. 2.0	1.5
Calm.	Calm.	Calm.	E. 1.0	Calm.	Calm.	1.5
Calm.	ESE. 1.5	SE. 2.0	ESE. 1.0	Calm.	Calm.	1.3
SE. 2.0	SE. 1.5	SE. 1.0	SE. 1.5	SE. 2.0	SE. 1.5	1.2
SE. 2.0	Calm.	Calm.	Calm.	Calm.	SE. 1.0	0.8
Calm.	Calm.	Calm.	Calm.	Calm.	SE. 1.5	0.5
ENE. 1.5	Calm.	SE. *3.0	Calm.	Calm.	Calm.	1.1
Calm.	Calm.	Calm.	Calm.	E. 1.5	Calm.	1.0
NE. 1.0	E. 2.0	SE. 2.5	NE. 1.5	ENE. 1.0	ENE. 1.0	1.1
E. 0.5	Calm.	Calm.	Calm.	Calm.	Calm.	1.3
Calm.	Calm.	Calm.	Calm.	Calm.	Calm.	0.8
E. 1.0	SE. 1.0	SSE. 1.0	E. 1.0	Calm.	NE. 1.5	1.2
ENE. 2.0	SE. 1.0	SE. 1.0	SE. 1.0	E. 1.0	Calm.	1.5
ENE. 1.0	ENE. 1.0	NE. 1.0	NE. 1.0	NE. 1.0	ESE. 2.0	1.4
NE. 2.0	ENE. 1.5	Calm.	Calm.	Calm.	Calm.	0.9
NE. 4.0	NE. *5.0	N. 4.5	NNE. 1.5	NE. by E. 2.0	NE. by E. 1.0	1.8
NE. 1.0	NE. 0.5	NE. 1.0	NE. 1.0	NE. 0.5	NE. 1.5	1.2
NE. 1.0	NE. 0.5	ENE. 2.0	ENE. 2.0	NE. 2.0	NE. 1.0	1.6
SE. 2.5	Calm.	Calm.	Calm.	Calm.	N. 1.5	1.5
NE. 1.0	NE. 2.0	NE. 1.0	NE. 1.5	ENE. 1.0	E. 1.0	1.9
Calm.	E. 1.0	Calm.	Calm.	ENE. 1.0	ENE. 1.0	1.2
ENE. 3.5	E. 1.5	ESE. 1.0	ESE. 1.0	Calm.	Calm.	1.7
1.3	1.0	1.1	0.8	0.8	0.7	1.2

WIND—FORCE IN KILOMETERS PER HOUR.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	5.5	2.5	1.5	3.0	2.5	1.0	0.5	1.0	1.5	8.0	11.5	*14.5
2	5.0	2.0	3.5	1.5	2.5	2.0	1.5	2.5	1.0	2.0	7.5	4.5
3	3.0	2.0	5.5	5.5	8.0	6.0	3.5	2.0	0.0	1.0	6.0	5.5
4	0.0	2.0	2.5	5.0	5.0	5.0	2.5	2.0	3.5	5.5	9.5	*13.0
5	3.5	2.5	4.0	10.5	9.0	6.5	6.0	8.5	7.5	3.0	*11.5	11.0
6	1.0	0.0	2.0	2.5	4.5	4.0	4.0	6.0	7.5	9.5	9.0	12.0
7	5.0	5.5	3.0	2.5	2.0	4.5	2.0	1.0	5.0	5.5	6.0	9.0
8	8.0	9.0	5.5	5.5	5.0	2.0	3.0	10.0	16.0	12.0	11.0	10.5
9	6.0	5.0	2.0	2.0	2.0	2.0	4.0	10.0	12.0	12.0	14.5	*20.0
10	9.0	9.0	4.0	0.5	6.5	4.0	1.0	3.0	3.5	2.5	7.0	*15.0
11	2.5	3.0	1.0	2.0	1.0	1.5	1.0	3.0	12.0	11.5	13.5	*15.5
12	5.0	4.5	3.0	5.0	3.0	2.5	6.0	4.0	5.0	8.5	10.5	15.0
13	5.0	3.0	5.0	5.0	6.0	6.0	6.5	7.5	9.0	5.5	6.5	8.0
14	3.0	4.0	4.5	5.0	5.0	4.5	4.5	3.0	1.0	6.0	7.5	5.0
15	4.0	4.0	4.0	3.5	5.0	6.5	2.5	1.5	4.0	6.0	9.5	*10.5
16	2.0	0.0	0.0	0.0	0.0	2.0	1.0	0.5	1.0	2.5	2.5	5.0
17	2.0	2.5	3.0	3.0	0.0	0.0	2.0	3.0	4.5	8.0	11.0	6.5
18	5.0	5.0	5.0	2.5	3.0	4.5	2.5	6.5	10.5	5.0	16.5	18.5
19	0.5	3.0	2.5	1.5	4.0	4.5	4.0	3.0	3.0	11.0	12.5	15.5
20	0.5	3.0	3.5	4.0	3.0	2.5	0.0	0.5	5.0	8.0	11.5	13.0
21	4.0	0.5	4.0	4.0	3.0	4.0	5.0	4.0	7.5	11.0	13.5	*16.5
22	2.5	2.5	1.0	3.5	4.0	3.5	2.0	2.0	3.5	7.0	6.5	11.5
23	7.5	7.5	7.0	7.5	8.0	5.0	3.5	2.5	1.5	2.0	6.0	6.5
24	0.5	0.5	4.5	2.0	1.0	2.5	1.5	2.0	3.5	10.5	10.5	11.5
25	6.5	6.5	8.0	8.0	7.5	2.5	5.5	5.0	3.5	4.0	8.5	10.5
26	4.0	3.0	4.0	6.0	4.0	3.0	6.5	11.0	12.0	15.0	10.5	12.0
27	6.0	4.5	2.5	4.0	5.0	5.0	2.0	5.0	4.0	7.5	6.0	12.0
28	5.5	5.0	6.0	5.0	5.0	5.5	6.5	7.5	11.0	4.0	6.0	8.5
29	4.5	3.0	4.5	4.0	4.5	4.5	7.0	6.0	4.5	11.5	10.5	9.0
30	5.0	8.0	8.0	6.5	3.5	6.5	6.5	4.5	9.5	10.5	7.0	12.0
Mean	4.0	3.8	3.8	4.0	4.1	3.8	*3.5	4.3	5.8	7.2	9.3	11.2

AMOUNT OF CLOUDS (0-10).

Day.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	Mean.
1	10	10	10	10	10	10	10	9	10	10	10	10	10	9	4	8	10	9.4
2	7	10	10	9	8	10	10	9	9	10	9	9	8	8	3	6	2	8.1
3	7	7	7	7	9	10	10	9	9	9	9	10	9	8	3	3	3	7.6
4	2	6	1	4	2	4	3	3	5	3	3	6	3	2	2	2	3	3.2
5	3	2	1	1	1	4	4	5	7	7	8	7	7	6	5	3	3	4.4
6	1	1	2	1	2	6	5	8	3	4	3	5	2	2	2	3	6	3.3
7	2	3	4	4	7	5	7	7	6	6	6	7	9	4	10	10	10	6.3
8	9	7	10	9	9	10	10	10	10	10	10	10	10	10	10	10	10	9.6
9	10	10	10	10	10	10	10	10	10	10	10	10	9	8	10	10	10	*9.8
10	9	6	5	4	5	6	6	8	5	7	7	6	7	10	4	4	6	6.2
11	2	3	3	1	2	3	7	4	6	7	7	4	3	1	2	8	9	4.2
12	1	5	6	8	7	8	6	6	4	6	5	3	3	2	1	1	1	4.3
13	1	1	1	1	1	5	5	5	2	2	2	5	3	2	2	6	7	3.0
14	1	2	3	3	3	5	9	9	9	4	3	2	4	2	1	0	1	3.6
15	2	2	1	1	3	4	4	3	4	3	3	2	1	1	1	1	1	*2.2
16	2	6	6	5	4	5	9	8	4	4	3	3	2	4	1	1	1	4.0
17	1	2	1	1	3	8	10	9	3	7	4	3	7	9	2	9	9	5.2
18	6	2	6	7	5	4	3	4	1	3	9	7	9	9	1	1	1	4.6
19	1	1	1	1	1	1	7	6	8	3	3	7	2	1	1	1	1	2.7
20	2	4	3	3	3	5	6	5	5	6	4	4	2	4	2	2	2	3.6
21	9	6	5	3	1	1	2	1	7	7	10	8	9	9	8	4	9	5.8
22	2	2	2	1	2	9	9	10	10	9	6	6	9	7	2	5	2	5.5
23	10	8	9	9	8	8	8	8	9	9	9	7	7	4	2	4	9	7.1
24	3	2	2	2	5	4	9	6	4	3	3	2	1	1	4	10	9	4.1
25	4	2	6	5	8	9	9	9	9	9	9	8	8	9	4	6	6	7.2
26	2	2	1	1	2	7	9	4	9	9	6	4	3	1	1	3	9	4.3
27	4	5	4	6	9	9	10	8	5	5	4	4	1	1	2	1	1	4.6
28	1	2	8	3	2	2	4	4	3	4	3	1	1	0	1	1	1	2.4
29	4	1	1	1	2	6	6	9	4	4	5	1	1	1	1	1	1	2.9
30	2	4	6	7	4	4	5	5	6	4	3	3	2	3	2	2	1	3.7
Mean	4.0	4.1	4.5	4.3	4.6	6.1	*7.1	6.7	6.2	6.1	5.9	5.5	5.1	4.6	*3.3	4.1	4.6	5.1

OBSERVATIONS FOR NOVEMBER, 1902.

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WIND—FORCE IN KILOMETERS PER HOUR.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
14.0	10.5	7.0	6.0	7.0	6.5	1.5	5.0	7.5	4.0	2.0	4.5	5.4
2.5	2.0	3.5	*10.0	9.0	2.0	1.5	3.5	3.5	1.5	1.5	4.0	*3.3
3.0	9.5	*15.0	11.0	5.0	2.5	1.5	1.0	5.0	2.5	3.0	2.0	4.5
*13.0	*13.0	12.5	10.5	9.5	6.0	4.5	4.5	5.0	3.5	0.5	1.0	5.8
8.0	5.0	3.0	10.5	10.0	11.0	9.5	5.5	1.5	6.0	7.0	3.5	6.8
*13.5	8.0	2.5	2.0	3.5	1.5	2.5	4.5	2.0	2.0	7.0	7.0	4.9
16.0	16.0	*18.0	12.0	11.5	11.5	9.0	7.0	4.0	3.0	2.0	3.5	6.9
11.0	11.5	17.0	27.5	22.5	35.5	*45.0	37.0	28.0	18.0	31.0	15.0	*16.5
15.5	14.0	17.0	9.5	6.5	8.0	5.0	6.0	9.0	12.0	5.0	5.0	8.5
12.0	*15.0	10.5	8.0	8.0	7.0	1.5	0.0	0.0	1.5	1.0	1.0	5.4
12.5	10.5	6.0	7.0	3.5	5.5	2.5	5.5	3.5	8.0	4.0	1.0	5.7
*15.5	9.5	8.0	5.0	6.5	9.0	9.0	6.5	5.5	5.5	8.0	6.0	6.9
11.5	*14.0	12.5	10.0	6.5	2.0	5.0	5.0	3.0	4.0	4.0	4.5	6.5
*8.0	4.0	3.5	3.0	4.0	2.0	0.0	3.5	4.0	4.0	2.5	4.5	4.0
9.5	10.0	5.0	5.0	6.0	2.0	6.5	4.0	6.5	6.0	2.5	1.0	5.2
8.5	14.0	*15.0	*15.0	10.5	5.0	3.5	2.0	3.5	2.0	3.0	2.5	4.2
11.0	12.0	3.0	3.5	11.0	*13.5	9.0	6.0	8.5	6.0	4.0	1.0	5.6
*19.0	11.5	9.0	14.0	10.0	8.0	5.5	3.0	2.0	1.0	1.5	3.0	7.2
12.0	*15.5	11.5	14.5	11.5	6.5	2.5	3.0	5.0	3.0	3.0	1.0	6.4
*16.0	11.0	9.0	9.0	2.0	4.0	6.0	4.0	7.5	6.0	4.0	4.0	5.7
15.0	12.5	7.5	5.5	10.5	6.5	5.0	6.0	8.0	9.0	7.5	3.5	7.2
11.0	9.0	*20.0	17.0	13.5	9.0	7.0	5.5	8.0	6.5	5.0	5.5	6.9
11.5	*14.5	11.0	7.5	5.5	6.5	8.0	7.0	2.5	2.5	1.5	2.0	6.0
10.5	14.5	*21.5	17.0	11.0	6.0	11.5	11.0	15.5	14.0	9.0	5.5	8.2
*11.5	10.5	7.5	9.0	8.0	5.0	6.5	5.0	5.0	5.0	4.5	3.5	6.5
11.0	10.0	16.0	*17.0	6.0	7.0	5.5	5.5	6.0	9.5	8.0	5.0	8.2
13.0	17.0	10.5	15.0	*17.5	11.0	11.0	8.0	5.0	2.5	1.0	5.0	7.5
8.0	9.0	19.0	*20.0	14.0	9.0	8.0	9.0	7.0	9.5	6.0	6.0	8.3
10.5	7.5	10.5	*14.5	13.5	11.5	6.0	6.5	6.0	2.5	5.0	4.0	7.1
14.5	16.5	14.0	*22.0	16.0	7.0	14.0	9.0	8.5	4.0	4.0	1.0	9.1
*11.6	11.2	10.9	11.2	9.3	7.6	7.1	6.3	6.2	5.5	4.9	3.9	6.7

FREQUENCY OF THE WIND.

Day.	N. NNW.	NW. WNW.	W. WSW.	SW. SSW.	S. SSE.	SE. ESE.	E. ENE.	NE. NNE.	Calm.
1	2	1	4	1	1	1		1	13
2	2						1	3	18
3		2	1		1	1		5	14
4			4	3		2			15
5	2			2	2	6	3	2	7
6	1		1	5			1	2	14
7	1		1				5	4	13
8	7	2	7	2	1			2	3
9						14	1		9
10	4	2	1			3	2	2	10
11	1	2	6			4	2		9
12			6			8	3	3	4
13		1	4	1	2	5		2	9
14			1	4	1	1	4	2	11
15		1	3	2		2	4	1	11
16			1		1		5	3	14
17	1	1	1			2	6	4	9
18		1					11	5	7
19		2	2				6	1	13
20		8			1	2	5	1	7
21	1	5	1	1	2	5	4		5
22	1		4	1		1	3	7	7
23	2	2	3				2	4	11
24	1		4		1		5	5	8
25	1					1	5	13	4
26			1			2	7	9	5
27	1					1	11	5	6
28						3	10	10	1
29		1	3	3			5	4	8
30		1				5	12	3	3
Mean	0.9	1.1	2.0	0.8	*0.4	2.3	4.1	3.4	*8.9

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.	Pressure.	Hours.	Temperature.	Hours.	Humidity.	Vapor pressure.
1-----	60.52	9.00 a.	30.1	3.20 p.	96.0	22.9	57.85	2.25 p.	21.7	4.55 a.	69.0	19.7
2-----	61.50	9.40 a.	29.7	1.55 p.	96.0	23.7	58.85	2.10 p.	22.2	6.10 a.	73.0	*20.9
3-----	62.25	9.20 a.	30.1	2.00 p.	96.0	*24.1	59.40	3.10 p.	22.3	6.20 a.	70.0	20.0
4-----	60.90	8.45 a.	31.2	1.00 p.	95.0	23.6	58.15	2.50 p.	21.6	6.20 a.	67.0	19.9
5-----	60.55	11.55 p.	31.3	11.35 a.	95.0	23.3	57.65	2.15 p.	22.1	6.00 a.	64.5	20.1
6-----	61.75	9.50 p.	32.1	4.00 p.	95.0	23.2	58.85	3.20 p.	21.4	5.50 a.	65.0	19.6
7-----	61.85	9.10 a.	31.7	1.55 p.	95.0	21.4	59.00	3.15 p.	21.5	6.15 a.	50.0	16.4
8-----	60.30	0.05 a.	*27.5	5.20 p.	*99.0	23.9	*54.51	4.00 p.	22.2	6.10 a.	*79.0	19.1
9-----	*59.40	9.05 a.	30.6	1.55 p.	*99.0	22.9	56.60	2.45 p.	22.1	0.50 a.	69.0	20.2
10-----	60.35	10.10 p.	30.4	10.40 a.	90.0	23.4	57.25	3.40 a.	*22.4	6.50 a.	67.0	19.3
11-----	60.77	9.00 p.	30.8	3.10 p.	96.0	22.2	57.50	3.20 p.	20.9	6.30 a.	61.0	18.9
12-----	60.85	10.30 p.	31.1	3.40 p.	94.0	21.3	57.75	4.05 p.	19.8	6.10 a.	63.0	17.6
13-----	61.20	9.30 a.	29.8	3.30 p.	91.0	22.4	58.00	2.25 p.	*18.8	5.55 a.	64.0	*15.4
14-----	61.60	9.35 a.	31.1	3.50 p.	92.0	22.4	58.80	3.20 p.	20.6	6.00 a.	66.0	18.2
15-----	62.05	8.55 a.	31.7	3.05 p.	93.0	21.9	58.95	2.50 p.	20.3	5.10 a.	57.5	17.2
16-----	62.60	10.05 p.	31.1	2.40 p.	93.0	22.7	60.30	2.25 p.	20.1	6.20 a.	54.0	17.4
17-----	63.05	8.40 a.	30.3	3.25 p.	94.0	21.2	60.45	3.15 p.	19.6	6.15 a.	66.0	17.4
18-----	63.15	8.55 a.	*32.7	2.40 p.	92.0	20.8	60.45	2.45 p.	20.7	6.10 a.	*49.0	16.6
19-----	63.55	9.55 p.	30.8	1.55 p.	93.0	*19.7	*60.70	2.45 p.	19.3	6.30 a.	57.0	16.8
20-----	*63.85	8.45 a.	30.4	3.20 p.	95.0	20.6	60.65	2.50 p.	20.4	6.15 a.	60.5	17.8
21-----	62.91	9.00 a.	30.6	3.50 p.	94.0	21.9	60.05	2.25 p.	20.0	6.40 a.	63.0	17.5
22-----	62.05	10.20 p.	29.7	2.30 p.	96.0	21.4	59.70	2.40 p.	19.8	5.55 a.	63.0	17.8
23-----	63.00	9.45 p.	29.7	3.00 p.	98.0	23.7	60.30	3.45 p.	22.1	6.20 a.	75.0	20.3
24-----	62.20	8.45 p.	31.7	1.05 p.	96.0	22.3	59.29	3.00 p.	21.8	6.00 a.	50.0	16.4
25-----	62.55	10.30 a.	29.4	2.20 p.	93.0	22.6	59.35	3.55 p.	21.5	4.20 a.	65.0	18.5
26-----	62.05	8.20 a.	31.8	0.50 p.	96.0	21.4	59.40	3.15 p.	20.9	6.30 a.	60.0	17.7
27-----	62.80	10.05 p.	32.3	2.30 p.	96.0	20.7	59.65	3.20 p.	20.9	5.00 a.	57.0	17.6
28-----	62.60	8.00 a.	32.4	0.20 p.	94.0	20.0	59.63	3.00 p.	19.4	6.35 a.	*49.0	16.8
29-----	62.45	8.40 a.	30.4	2.35 p.	*90.0	21.6	59.50	2.50 p.	21.5	6.30 a.	59.5	16.3
30-----	62.15	8.25 a.	32.4	1.05 p.	92.0	21.0	59.20	3.15 p.	21.4	6.30 a.	56.0	16.8
Mean	61.89		30.8		94.5	22.1	58.92		21.0		62.3	18.1

GENERAL REMARKS.

Day.	Remarks.	Day.	Remarks.
1----	Distant rain in the second and third quadrants and drizzle in the locality in the afternoon.	13----	Filaments of cirrus from ESE. to WNW.
2----	Cloudy; lightning to the ENE. at night.	14----	Clouds colored at sunrise and sunset; passing rain in the forenoon.
3----	Drizzle; thunderstorm in the third quadrant in the afternoon.	15----	Clouds colored at sunrise; transparency of the air in the afternoon.
4----	Distant thunderstorm in the first quadrant in the afternoon; lightning in various points at night.	16----	Rain in the first quadrant and in the locality in the morning.
5----	Lightning in different points at night.	17----	Rain in different points and light drizzle in the locality in the morning.
6----	Passing rain in the afternoon; clouds colored at sunset; drizzle and lightning in various points at night.	19----	Coloration of cirrus at sunrise.
7----	Cirrus from E. to W. in the morning and convergent to the ESE. in the afternoon.	22----	Rain in the first and second quadrants in the afternoon; lightning to southward at night.
8----	Drizzle and rain with gusty wind from WSW. in the afternoon and at night.	23----	Rain and drizzle in the early morning; solar halo in the morning; lightning to southward at night.
9----	Coloration of clouds in the early morning; veil of cirrus with filaments from SE. to NW.	25----	Light drizzle and rain in various points in the morning.
10----	Light veil of cirrus in the morning; drizzle at 5.43 p. m.	26----	Rain in different points; light drizzle at night.
11----	Filaments of cirrus from N. to S. in the afternoon.	27----	Clouds colored at sunrise; air transparent in the morning.
12----	Bands of cirrus from NW. to SE. in the morning.	28----	Light coloration of clouds at sunrise.
		30----	Light coloration of clouds at sunset.

GENERAL APPEARANCE OF THE SKY.

	Clear.	Cloudy.	Variable.
Early morning -----	20	7	3
Morning -----	6	8	16
Afternoon -----	5	9	16
Evening -----	15	6	9

OBSERVATIONS FOR NOVEMBER, 1902.

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Day.	Total wind velocity (kil. p. h.).	Atmidometer.	Rainfall.	Ozone.		Sunshine.	Bay.	Underground temperature, 8 a. m.			Meteors.
				6 a.	6 p.			25 cm.	50 cm.	1 m.	
1	128.5	3.9		2.0	3.0	1-50	S	28.3	*29.0	*28.8	² p ⁰ ●
2	*80.0	2.5		0.5	1.5	0-00	S	28.4	*29.0	28.7	² p ⁰ ●
3	109.0	2.4	0.2	0.5	2.0	1-45	S	28.0	28.8	28.6	² p ⁰ ●
4	139.0	4.1	0.4	1.5	2.0	8-45	S	28.0	28.9	*28.8	² p ⁰ ●
5	164.0	4.4		0.5	2.0	5-50	S	28.5	*29.0	*28.8	² p ⁰ ●
6	118.0	4.5	*0.1	2.0	2.5	9-10	S	*28.7	*29.0	*28.8	² p ⁰ ●
7	164.5	6.1		0.5	3.0	7-40	S	28.4	28.9	28.6	² p ⁰ ●
8	*396.5	3.6	*57.3	1.0	2.5	0-00	S	28.2	28.8	28.6	² p ⁰ ●
9	204.0	3.7	2.7	1.5	2.5	1-20	S	*27.2	28.3	28.5	² p ⁰ ●
10	130.5	5.4		2.0	3.0	7-35	S	27.9	28.5	28.5	² p ⁰ ●
11	137.0	5.3		2.0	3.5	9-20	S	27.9	28.7	28.6	² p ⁰ ●
12	166.0	5.3		1.5	2.5	7-10	S	27.3	28.4	28.3	² p ⁰ ●
13	155.0	5.7		4.0	2.5	*9-30	S	27.8	28.7	28.3	² p ⁰ ●
14	96.0	3.7		1.5	2.0	7-00	S	28.0	28.7	28.3	² p ⁰ ●
15	125.0	4.9		1.0	3.5	9-10	S	28.0	28.8	28.4	² p ⁰ ●
16	101.0	6.1	0.6	2.5	3.5	8-20	S	28.0	28.7	28.3	² p ⁰ ●
17	134.0	4.2	*0.1	1.5	3.0	5-25	S	28.0	28.8	28.3	² p ⁰ ●
18	172.0	6.9		2.0	4.0	7-30	S	27.9	28.7	28.3	² p ⁰ ●
19	154.0	6.2		1.5	2.5	7-00	S	28.0	28.8	28.3	² p ⁰ ●
20	137.0	5.7		2.5	2.5	8-35	S	28.0	28.7	28.2	² p ⁰ ●
21	173.5	5.4		2.0	4.0	7-25	S	27.9	28.7	28.2	² p ⁰ ●
22	166.5	4.7		3.0	3.0	4-30	S	28.0	28.7	28.2	² p ⁰ ●
23	144.5	7.5	9.7	1.5	2.5	4-10	S	27.7	*28.1	*28.0	² p ⁰ ●
24	197.5	6.5		1.5	2.0	8-00	S	27.9	28.5	28.1	² p ⁰ ●
25	157.0	3.4		3.0	1.5	1-10	S	28.0	28.3	*28.0	² p ⁰ ●
26	197.5	5.6		1.0	3.5	6-35	S	27.9	28.6	28.1	² p ⁰ ●
27	180.0	5.6		3.5	2.5	7-30	S	28.0	28.7	28.2	² p ⁰ ●
28	200.0	6.9		1.0	3.5	8-45	S	27.8	28.6	28.2	² p ⁰ ●
29	171.5	*2.3		2.5	3.5	7-15	S	28.2	28.7	28.2	² p ⁰ ●
30	218.0	*7.7		3.0	3.0	7-30	S	27.9	28.4	*28.0	² p ⁰ ●
Total	4,817.0	150.2	71.1			185-45					
Mean	160.6	5.0	2.4	1.8	2.8	6-12		28.0	28.7	28.4	

ATMOSPHERIC PRESSURE, 700mm +.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	61.55	61.25	61.10	61.10	61.20	61.82	61.91	62.32	62.60	*62.72	62.55	61.79
2-----	61.90	61.60	61.25	61.60	61.70	61.74	62.16	*62.61	62.49	62.19	61.77	61.17
3-----	60.75	60.55	60.30	60.35	60.53	60.78	61.24	61.79	*61.90	61.63	61.27	60.47
4-----	60.25	60.00	59.50	59.95	59.96	60.47	61.14	*61.49	61.10	60.95	60.47	59.52
5-----	59.85	59.65	59.55	59.65	59.91	60.33	60.71	61.01	*61.09	60.88	60.20	59.56
6-----	60.10	59.25	59.20	59.20	59.64	59.82	60.33	*60.74	60.73	60.33	59.78	59.07
7-----	60.20	59.65	59.40	59.50	59.38	59.89	60.28	*60.58	60.51	60.26	59.71	58.99
8-----	59.40	58.65	58.40	58.20	58.36	58.92	59.54	*59.87	59.77	59.54	59.15	58.85
9-----	58.45	58.15	57.85	57.90	58.18	58.43	59.13	59.56	*59.64	59.27	58.73	58.20
10-----	58.45	58.25	58.15	58.25	58.48	58.72	59.37	*59.66	59.61	59.46	58.91	58.26
11-----	59.00	58.60	58.20	58.40	58.86	59.01	59.48	60.17	*60.33	60.22	59.98	59.31
12-----	59.20	58.90	58.50	58.60	58.86	59.30	59.81	60.48	*60.53	60.36	60.03	59.32
13-----	60.15	59.80	59.45	59.50	59.76	60.04	60.58	61.18	*61.44	61.10	60.63	60.02
14-----	59.95	59.65	59.40	59.45	59.53	59.83	60.09	*60.50	60.44	60.12	59.65	59.25
15-----	59.65	59.40	59.15	59.40	59.62	59.93	60.17	60.67	*60.75	60.54	59.93	59.34
16-----	59.50	59.15	58.95	58.95	59.37	59.58	60.03	60.56	*60.89	60.55	60.24	59.61
17-----	60.60	60.40	60.10	60.25	60.34	60.86	61.35	61.82	*61.89	61.77	61.30	60.58
18-----	61.15	60.75	60.70	60.85	61.01	61.40	61.74	62.09	*62.14	62.00	61.49	60.82
19-----	61.05	60.65	60.60	60.60	60.96	61.27	61.69	*62.06	62.03	61.68	61.32	60.69
20-----	60.05	59.50	59.10	59.10	59.32	59.63	60.08	60.66	*60.77	60.57	60.25	59.79
21-----	60.05	59.60	59.35	59.70	59.85	60.12	60.53	60.74	60.69	60.40	59.96	59.35
22-----	60.55	60.45	60.55	60.65	60.74	61.04	61.72	62.07	*62.11	61.84	61.29	60.67
23-----	61.40	60.95	60.75	60.75	61.15	61.60	62.07	62.76	*62.83	62.38	62.03	61.28
24-----	60.65	60.35	59.80	59.80	59.90	60.09	60.48	61.15	61.13	60.88	60.43	59.85
25-----	61.00	60.60	60.30	60.10	60.12	60.37	60.84	61.60	61.77	61.73	61.23	60.89
26-----	61.80	61.65	61.30	61.40	61.58	62.06	62.74	63.32	*63.55	63.28	62.82	62.08
27-----	62.55	62.20	61.95	62.10	62.28	62.63	62.91	63.69	*63.78	63.74	63.39	62.48
28-----	62.40	62.25	62.05	62.15	62.30	62.60	63.04	63.55	63.82	63.73	*63.93	63.46
29-----	62.05	61.85	61.60	61.85	62.42	62.72	62.77	63.62	*63.79	63.56	63.13	62.46
30-----	62.80	62.55	62.40	62.45	62.71	63.04	63.45	64.00	*64.35	64.21	63.76	62.95
31-----	63.15	62.85	62.80	63.05	63.20	63.49	64.07	64.74	*64.84	64.61	64.34	63.93
Mean.	60.63	60.29	60.05	60.15	60.36	60.69	61.14	61.65	*61.72	61.50	61.09	60.45

TEMPERATURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1-----	22.9	22.3	22.1	22.0	21.9	*21.8	22.5	23.9	25.9	27.6	28.6	30.2
2-----	24.8	24.7	24.0	23.2	22.9	*22.8	23.2	24.8	27.2	27.0	27.7	27.8
3-----	25.1	24.7	24.3	23.8	23.6	*23.4	23.8	26.2	28.3	27.9	29.6	29.6
4-----	25.0	24.7	25.2	24.7	24.4	24.9	*23.7	*23.7	24.8	27.8	29.1	29.6
5-----	24.5	24.3	24.1	23.8	*23.4	23.5	24.3	26.7	27.4	28.2	28.5	29.4
6-----	24.4	24.1	23.8	23.1	23.0	23.7	24.2	26.2	27.8	29.3	30.0	29.9
7-----	22.2	21.9	22.8	22.8	22.7	*21.7	22.2	24.1	26.9	27.6	28.2	28.8
8-----	24.2	24.1	23.4	23.0	*22.9	*22.9	23.4	25.8	27.7	28.7	28.9	28.7
9-----	23.4	22.8	22.7	22.4	*22.0	22.2	22.2	24.9	27.7	28.6	28.7	29.0
10-----	23.6	22.7	23.3	22.2	*21.5	21.6	21.8	24.1	27.2	27.7	28.4	29.6
11-----	24.6	24.2	23.7	22.8	*22.2	22.7	22.9	23.9	26.2	28.4	28.8	27.8
12-----	24.9	24.6	24.5	24.0	23.8	23.8	24.3	25.6	28.1	28.4	30.6	31.0
13-----	22.8	22.1	21.8	21.0	20.7	*20.6	21.4	24.4	27.5	28.7	29.1	29.8
14-----	23.9	23.4	22.9	22.2	21.8	*21.4	22.1	25.6	27.4	*28.5	28.2	27.7
15-----	23.5	22.9	22.6	22.1	22.1	*21.4	21.9	24.6	26.8	28.8	28.7	28.9
16-----	23.6	22.7	22.2	21.6	21.1	*20.9	21.5	23.4	26.3	28.2	28.1	28.4
17-----	23.6	23.5	22.6	22.5	22.1	*21.7	21.8	24.3	26.7	28.8	29.0	29.0
18-----	22.7	22.3	22.3	22.0	22.1	*21.7	22.1	23.9	26.7	28.4	28.3	29.2
19-----	23.9	23.8	*22.7	22.8	*22.7	*22.7	*22.7	24.4	26.5	29.3	*29.4	28.8
20-----	25.0	24.5	23.4	23.0	*22.8	*22.8	23.8	25.3	27.9	29.4	28.8	28.3
21-----	23.5	22.7	22.3	22.1	*21.8	21.9	22.1	24.8	27.6	28.4	28.6	29.4
22-----	23.0	21.9	21.6	21.6	*20.2	*20.2	20.9	23.8	27.2	28.8	29.8	29.6
23-----	22.8	23.3	22.5	22.1	*21.1	*21.1	21.3	23.9	26.9	28.2	29.4	29.0
24-----	22.7	22.8	22.7	22.4	21.8	*21.3	*21.3	23.7	27.3	28.0	29.0	29.4
25-----	20.9	20.6	20.2	20.2	19.8	*19.2	20.0	23.3	25.7	27.5	28.3	29.3
26-----	24.3	23.8	23.2	22.7	21.9	22.2	*21.6	23.8	27.2	27.9	28.3	28.7
27-----	24.5	24.2	23.8	23.2	22.8	*22.2	22.6	24.4	26.7	27.8	28.2	28.8
28-----	23.9	23.7	23.7	23.8	23.6	23.4	23.4	23.8	24.3	25.6	23.6	23.3
29-----	22.6	22.6	22.5	22.4	*22.2	22.4	22.7	23.1	24.2	25.7	*26.3	26.2
30-----	23.1	23.0	22.6	22.4	21.9	*21.5	21.6	23.7	25.6	26.9	27.0	27.7
31-----	24.1	23.9	23.3	23.3	22.7	*22.1	22.2	24.1	26.8	27.1	27.4	27.8
Mean.	23.7	23.3	23.0	22.6	22.2	*22.1	22.4	24.5	26.8	28.0	28.5	28.7

OBSERVATIONS FOR DECEMBER, 1902.

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ATMOSPHERIC PRESSURE, 700mm +.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
60.84	60.32	60.14	*60.11	60.47	60.99	61.42	61.80	62.13	62.30	62.15	62.00	61.52
60.40	59.84	*59.54	59.67	60.08	60.38	61.34	61.82	62.13	61.90	61.50	61.15	61.33
59.44	59.02	*58.58	58.88	59.24	59.91	60.34	60.84	61.15	61.25	60.90	60.45	60.48
58.99	58.54	*58.51	58.79	59.25	59.64	59.94	60.40	60.80	60.75	60.55	60.45	60.06
58.53	58.26	*58.04	58.33	58.54	58.84	59.45	59.84	60.25	60.50	60.30	60.15	59.73
58.36	58.04	*58.01	58.27	58.82	59.37	60.11	60.53	60.65	60.70	60.60	60.45	59.67
58.19	57.87	*57.74	57.94	58.30	58.74	59.29	59.89	60.01	59.90	59.80	59.60	59.40
58.03	*57.39	57.40	57.42	57.77	58.19	58.88	59.29	59.36	59.45	59.35	58.95	58.76
57.42	56.87	*56.48	56.59	57.13	57.94	58.30	58.64	58.97	59.10	58.90	58.75	*58.27
57.61	56.90	56.68	56.88	57.40	57.80	58.47	58.95	59.24	59.45	59.30	59.20	58.48
58.68	58.08	*57.77	57.89	58.33	58.70	59.04	59.51	59.86	59.85	59.65	59.45	59.10
58.68	58.27	*57.93	58.38	58.94	59.34	59.65	60.07	60.25	60.30	60.30	60.40	59.33
59.03	58.33	*57.89	*57.89	58.36	58.82	59.44	60.30	60.49	60.45	60.45	60.25	59.81
58.79	58.38	*58.05	58.10	58.56	58.89	59.29	59.79	60.16	60.35	60.40	60.20	59.53
58.35	57.75	*57.48	57.57	57.89	58.18	58.94	59.39	59.66	59.95	59.75	59.65	59.30
58.90	58.17	*57.84	57.88	58.17	58.56	58.96	59.65	60.01	60.10	60.30	60.45	59.43
59.99	59.33	59.02	*58.96	59.63	60.23	60.82	61.32	61.45	61.55	61.45	61.40	60.68
59.94	59.43	*59.23	59.47	59.59	60.21	60.52	61.02	61.52	61.60	61.45	61.40	60.90
59.86	59.29	*59.12	59.14	59.29	59.56	60.08	60.24	60.45	60.60	60.60	60.35	60.55
58.90	58.56	*58.34	58.74	59.17	59.46	60.09	60.36	60.52	60.50	60.45	60.30	59.76
58.49	57.94	*57.84	58.19	58.85	59.44	60.29	61.02	61.22	*61.30	61.25	61.05	59.88
60.08	59.42	*59.14	59.33	59.89	60.46	61.13	61.54	61.75	61.85	61.65	61.55	60.89
60.44	59.69	59.62	*59.54	60.16	60.74	61.27	61.80	61.68	61.55	61.25	61.20	61.20
58.95	58.17	*57.83	58.23	58.88	59.33	60.04	60.57	60.95	61.15	61.20	*61.25	60.04
60.05	59.38	*59.12	59.23	59.82	60.45	61.02	61.40	61.79	61.95	*62.00	61.95	60.78
61.44	60.94	*60.86	60.98	61.59	61.84	62.42	62.81	63.23	63.20	62.95	63.05	62.20
61.81	61.12	*60.91	61.01	61.53	62.07	62.42	62.69	62.95	63.00	62.80	62.80	62.45
62.45	61.85	61.04	*60.89	61.00	60.93	61.58	61.93	62.50	62.45	62.35	62.40	62.36
61.91	*61.50	61.53	61.58	61.60	61.85	62.60	63.06	63.16	63.20	63.20	63.05	62.50
62.35	61.83	61.53	*61.41	61.64	61.95	62.32	62.84	63.29	63.20	63.45	63.40	62.83
63.28	62.53	62.13	*61.97	62.21	62.74	63.23	63.87	64.24	64.20	64.20	64.05	*63.49
59.68	59.13	*58.88	58.99	59.40	59.84	60.40	60.86	61.15	61.21	61.11	60.99	60.47

TEMPERATURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
*30.7	30.6	30.2	30.1	28.7	27.2	26.5	25.4	25.4	25.3	25.2	25.1	25.9
28.8	*29.9	29.6	27.9	27.2	26.7	26.2	26.2	25.9	25.7	25.4	25.3	26.0
30.5	30.4	*31.2	30.8	28.3	27.2	26.6	26.2	25.7	25.5	25.4	25.3	26.8
*30.4	30.1	29.2	27.9	26.7	26.1	25.4	25.4	25.4	25.3	25.1	24.9	26.2
*30.5	30.0	29.8	28.9	28.7	27.7	26.1	25.4	25.1	25.0	24.9	24.8	26.5
30.9	*31.1	31.0	30.3	28.8	26.5	25.0	24.1	23.3	23.3	23.0	*22.6	26.2
29.2	*30.1	29.4	29.4	29.1	28.2	26.7	26.1	25.6	25.0	24.9	25.0	25.9
29.5	*30.1	29.1	29.6	28.6	27.9	27.2	26.7	25.5	24.9	24.3	23.9	26.3
29.6	30.1	31.3	*31.8	29.2	27.9	26.7	26.2	25.4	25.0	24.7	24.3	26.2
28.5	29.8	*30.2	29.8	29.9	28.8	27.8	26.1	25.9	25.3	25.4	25.1	26.1
29.7	*29.9	29.4	29.7	28.2	27.2	26.0	25.7	25.1	25.2	25.2	25.1	26.0
*31.6	*31.6	31.2	30.8	29.4	28.6	27.7	26.7	25.1	24.4	23.8	*23.2	*27.0
29.6	29.9	*31.2	31.1	30.1	28.4	27.1	27.2	26.7	26.0	25.0	24.5	26.1
27.7	27.4	28.1	27.1	26.8	26.5	26.3	25.8	24.9	24.4	24.2	23.8	25.3
29.5	29.9	29.9	*30.4	29.6	28.4	27.2	26.1	24.9	24.7	24.6	23.9	26.0
28.8	29.4	*30.1	29.8	28.9	28.1	27.3	26.7	25.6	25.0	24.5	23.9	25.7
29.9	*31.6	*31.6	30.9	29.2	28.2	26.1	25.1	24.7	24.5	24.1	23.2	26.0
30.1	29.4	*31.1	29.8	28.9	27.9	27.1	25.7	25.2	25.0	25.1	24.3	25.9
29.3	27.7	26.9	27.0	27.3	26.7	26.1	25.5	24.9	25.0	24.9	25.1	25.7
27.9	27.4	*30.1	25.8	25.9	25.6	25.0	24.8	24.5	24.4	24.3	24.1	25.6
29.7	30.7	*30.8	30.1	28.6	27.3	26.1	25.6	25.0	24.6	23.7	23.0	25.8
29.7	30.1	*30.4	*30.4	29.8	27.8	25.9	24.8	24.3	23.6	23.2	22.8	25.5
29.8	*30.0	29.7	29.4	28.3	26.7	25.6	24.9	24.8	24.4	24.3	24.3	25.6
29.7	*30.1	29.6	29.1	27.8	26.2	25.2	24.4	24.2	23.7	21.9	21.5	25.2
31.0	*31.4	30.4	29.8	28.9	27.4	26.1	26.1	26.1	25.7	25.3	24.9	25.3
28.3	*28.8	*28.8	28.7	26.0	25.1	24.9	24.6	24.8	24.7	24.4	24.2	25.4
27.2	28.4	28.8	*29.2	28.3	27.1	26.5	25.9	25.3	24.9	24.6	24.2	25.8
23.7	23.4	24.5	25.4	25.5	*25.7	25.2	24.4	23.9	23.4	23.0	*22.8	24.0
25.4	25.1	24.8	24.4	24.6	24.4	24.3	24.2	23.9	23.7	23.5	23.4	*23.9
28.5	28.8	*29.6	29.4	29.3	28.4	26.7	25.8	25.2	24.8	24.4	24.7	25.5
28.6	28.9	*30.3	29.8	28.5	26.8	26.3	25.3	25.1	24.8	24.6	24.0	25.7
29.2	29.4	*29.6	29.2	28.2	27.2	26.2	25.6	25.1	24.7	24.4	24.1	25.8

RELATIVE HUMIDITY.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	82.0	83.0	83.0	86.0	87.0	87.0	*88.0	84.0	79.0	73.0	71.0	63.0
2	84.0	85.0	88.0	92.0	94.0	*96.0	95.0	87.0	78.0	76.0	77.0	78.0
3	89.0	90.0	92.0	93.0	93.0	*94.0	91.0	84.0	76.0	77.0	66.0	66.5
4	85.0	86.0	85.0	87.0	90.0	91.0	94.0	*97.0	94.0	84.0	75.0	73.0
5	93.0	92.0	92.0	*94.0	*94.0	93.0	91.0	83.0	77.0	75.0	74.0	71.0
6	85.0	86.0	87.0	89.0	*93.0	89.0	88.0	80.0	72.0	66.0	57.0	58.5
7	86.0	87.0	86.0	87.0	89.0	*94.0	91.0	86.0	77.0	76.0	72.0	71.0
8	87.0	89.0	90.0	92.0	92.0	*95.0	91.0	81.0	72.0	73.0	71.0	74.0
9	90.0	89.0	89.0	91.0	*92.0	91.0	91.0	86.0	77.0	76.0	75.0	73.0
10	85.0	88.0	86.0	89.0	*92.0	*92.0	89.0	81.5	74.0	73.0	70.0	69.0
11	87.0	87.0	86.0	89.0	*93.0	91.0	90.0	90.0	82.0	73.0	73.0	82.0
12	91.0	92.0	92.0	94.0	*95.0	*95.0	93.0	90.0	77.0	70.0	59.0	57.0
13	89.0	87.0	88.0	*90.0	*90.0	*90.0	87.0	80.0	75.0	71.0	70.0	*67.0
14	88.0	88.0	89.5	93.0	94.0	*95.0	91.0	81.0	77.0	*70.5	72.0	71.0
15	90.0	90.0	91.0	92.0	92.0	*95.0	93.0	84.0	75.0	67.0	64.0	66.0
16	90.0	90.0	92.0	93.0	*95.0	*95.0	92.0	86.0	76.0	70.0	75.0	72.5
17	89.0	89.0	91.0	91.0	93.0	*94.0	93.0	82.0	75.0	65.0	68.0	68.0
18	84.0	88.0	87.0	88.0	88.0	90.0	*91.0	84.0	77.0	69.0	74.0	65.0
19	87.0	88.0	*92.0	*92.0	91.0	91.0	*92.0	87.0	78.0	*70.0	72.0	75.0
20	85.0	86.0	90.0	92.0	95.0	91.0	88.0	83.5	74.0	*67.0	74.0	74.0
21	95.0	96.0	96.0	97.0	*99.0	96.0	96.0	87.0	77.0	77.0	73.0	72.0
22	84.0	88.0	88.0	88.0	*94.0	*94.0	91.0	81.0	71.0	64.0	62.0	68.0
23	83.0	81.0	82.0	84.0	*89.0	88.0	*89.0	83.0	73.0	64.0	61.0	65.0
24	82.5	83.0	83.0	85.0	89.0	*92.0	91.0	86.0	73.0	69.5	68.0	64.0
25	86.0	88.0	90.0	90.0	*91.0	*91.0	90.0	81.0	69.0	66.0	66.0	64.0
26	82.0	83.0	85.0	87.0	89.0	90.0	*92.0	85.5	75.0	74.0	*71.0	*71.0
27	81.0	83.0	86.0	90.0	91.0	*95.0	92.0	86.0	77.0	73.5	75.0	69.0
28	*84.0	87.0	89.0	91.0	95.0	*98.0	96.0	94.0	95.0	88.0	96.0	97.0
29	97.0	97.0	96.5	97.0	*99.0	*99.0	97.0	97.0	93.0	87.0	*85.0	86.0
30	98.0	*99.0	*99.0	98.0	98.0	97.0	95.5	91.0	84.0	80.0	77.0	75.0
31	91.0	91.0	95.0	*96.0	*96.0	*96.0	95.0	88.0	75.0	81.0	76.0	77.0
Mean	87.4	88.3	89.2	90.9	92.6	*93.1	91.7	85.7	77.5	73.1	71.6	71.0

VAPOR PRESSURE.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	17.0	16.7	*16.5	16.9	16.9	17.0	17.8	18.5	19.7	20.0	20.5	20.1
2	19.6	19.6	*19.5	*19.5	*19.5	19.7	20.0	20.3	21.0	20.1	21.2	21.6
3	21.1	20.8	20.9	20.4	20.1	20.1	20.0	21.2	21.7	21.4	20.3	20.5
4	20.0	*19.8	20.3	20.2	20.4	21.2	20.5	21.0	21.9	*23.2	22.4	22.5
5	21.3	20.9	20.6	20.6	20.1	20.0	20.7	21.5	20.9	21.4	21.4	21.6
6	19.3	19.3	19.1	18.6	19.4	19.3	19.8	*20.3	20.1	20.1	17.9	18.3
7	17.1	*16.9	17.7	17.9	18.2	18.1	18.1	19.1	20.2	20.8	20.4	21.0
8	19.6	19.8	19.2	19.3	*19.1	19.7	19.5	19.9	19.9	21.3	21.0	21.7
9	19.2	18.5	18.3	18.3	*18.0	*18.0	18.1	20.1	21.2	*22.1	*22.1	21.6
10	18.3	18.0	18.3	17.8	17.5	17.6	*17.3	18.2	19.8	20.1	20.3	21.3
11	19.9	19.6	18.8	*18.5	*18.5	18.7	18.7	19.8	20.7	21.0	21.6	22.6
12	21.2	21.2	21.1	20.8	20.8	20.8	21.0	22.0	21.6	20.3	19.3	19.0
13	18.3	17.1	17.1	16.6	16.3	*16.2	16.5	18.2	20.4	20.6	21.0	20.7
14	19.4	18.8	18.6	18.5	18.2	*17.9	18.0	19.7	20.9	20.4	20.4	19.7
15	19.3	18.7	18.6	18.2	18.2	*17.9	18.1	19.3	19.7	19.6	18.9	19.6
16	19.4	18.5	18.3	17.8	17.8	*17.5	*17.5	18.4	19.2	19.8	*21.2	20.8
17	19.2	19.1	18.6	18.4	18.3	18.1	18.0	18.6	19.5	19.2	20.3	20.3
18	*17.3	17.5	17.4	17.4	17.5	17.4	18.0	18.5	19.9	19.9	21.1	19.6
19	19.2	19.3	18.9	19.0	*18.7	*18.7	18.9	19.8	20.0	21.1	21.8	22.0
20	20.0	19.6	19.3	19.2	19.5	*18.8	19.3	20.0	20.7	20.4	21.8	21.1
21	20.4	19.6	19.3	19.2	19.3	18.7	18.9	20.4	21.1	*22.3	21.3	22.1
22	17.6	17.3	16.9	16.9	16.6	16.6	16.7	17.8	19.1	18.8	19.3	*20.9
23	17.2	17.2	16.7	16.6	16.6	16.4	16.8	18.3	19.2	18.2	18.5	19.3
24	16.9	17.2	17.1	17.1	17.3	17.3	17.1	18.8	19.8	19.5	*20.3	19.6
25	15.9	15.9	15.8	15.8	15.7	*15.1	15.6	17.2	17.0	17.9	18.9	19.3
26	18.6	18.2	18.0	17.8	*17.4	18.0	17.6	18.8	20.1	20.6	20.3	20.9
27	18.5	18.7	18.9	19.1	18.8	18.8	18.7	19.4	20.1	20.4	21.3	20.4
28	*18.5	19.0	19.3	19.8	20.5	21.0	20.4	20.6	21.4	*21.6	20.7	20.5
29	19.7	19.7	*19.6	*19.6	19.7	20.0	19.8	20.3	20.9	21.3	21.6	21.8
30	20.6	20.7	20.2	19.8	19.2	18.5	*18.3	19.9	20.6	21.2	20.3	20.7
31	20.4	20.2	20.2	20.3	19.6	18.9	18.8	19.7	19.7	*21.5	20.7	21.4
Mean	19.0	18.8	18.7	18.6	*18.5	*18.5	*18.5	19.5	20.3	20.5	20.6	20.7

RELATIVE HUMIDITY.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
57.0	*56.0	58.0	60.0	65.0	70.0	73.5	79.0	79.0	81.0	82.0	82.0	75.4
73.0	*70.0	72.0	72.0	76.0	77.0	81.0	79.0	85.0	85.0	87.0	88.0	82.3
66.0	67.0	*63.0	67.0	66.0	73.0	75.0	78.0	82.0	82.0	83.0	81.0	78.9
*66.0	68.0	74.0	77.0	81.0	86.0	92.0	92.0	91.0	91.0	92.0	92.0	85.1
*68.0	70.0	69.0	76.0	77.0	76.0	84.0	84.0	85.0	84.0	83.0	83.0	82.0
56.0	53.5	*49.0	52.0	58.0	68.0	73.0	77.0	81.0	81.0	83.0	83.0	*73.5
70.0	*66.0	68.0	71.0	74.0	77.0	83.0	80.0	82.0	86.0	85.0	86.0	80.4
72.0	*69.0	74.0	72.0	78.0	83.0	83.5	86.0	91.0	88.0	88.0	90.0	82.6
69.0	65.0	*61.5	62.0	62.0	67.0	75.0	80.0	83.0	83.0	83.0	85.0	79.0
71.0	*63.0	67.0	71.0	73.0	77.0	82.0	88.0	88.0	90.0	89.0	84.0	80.5
71.0	*69.0	76.0	78.0	82.0	86.0	91.0	87.0	90.0	91.0	91.0	91.0	84.4
52.0	52.0	54.0	*48.0	56.0	62.0	81.0	83.0	90.0	91.0	91.0	93.0	77.4
69.0	69.0	68.0	69.0	71.0	77.0	80.0	78.0	77.0	81.0	86.0	87.0	79.0
75.0	76.0	75.0	78.0	78.0	82.5	86.0	86.0	90.0	89.0	88.0	89.0	83.4
62.0	63.0	60.0	*57.0	63.0	68.0	74.0	81.0	87.0	86.0	84.0	89.0	78.0
69.0	64.0	*62.0	64.0	69.0	75.0	75.0	80.0	86.0	87.0	87.0	91.0	80.6
66.0	61.0	*57.0	62.0	64.0	64.0	69.0	73.0	79.0	82.0	82.0	85.0	76.8
*64.0	68.0	*64.0	67.0	67.0	73.0	75.0	84.0	83.0	83.0	81.0	86.5	78.4
73.0	84.0	79.0	82.0	78.0	85.0	80.0	84.0	85.0	83.0	85.0	85.0	83.2
77.0	81.0	70.0	91.0	88.0	88.0	94.0	95.0	95.0	94.0	94.0	*96.0	85.9
68.0	61.0	*59.0	60.0	70.0	73.0	80.0	81.0	85.0	84.0	87.0	86.0	81.5
67.0	64.0	62.0	62.0	*59.0	64.0	70.0	75.0	74.0	76.0	78.0	78.5	75.1
66.0	65.0	64.5	*54.0	60.0	69.0	71.0	75.5	75.0	78.0	74.0	72.0	73.6
59.0	*53.0	*53.0	*53.0	58.5	67.0	75.0	78.0	79.0	81.0	84.0	85.5	74.7
56.0	55.5	*53.5	56.5	57.0	65.0	77.0	74.0	73.0	76.0	79.0	82.0	74.0
72.0	75.0	73.0	77.0	89.0	90.0	87.0	88.0	83.0	82.0	83.0	84.0	82.0
81.0	70.0	73.0	69.0	*68.0	72.5	71.0	72.0	74.0	77.0	80.0	82.0	78.7
96.0	95.0	90.0	88.0	88.0	*84.0	88.0	88.0	91.0	93.0	95.0	96.0	91.8
92.0	*85.0	95.0	91.0	93.0	95.0	95.0	97.0	97.0	97.0	97.0	97.0	*94.2
70.0	67.0	*66.5	67.0	70.0	76.0	80.0	85.0	88.0	86.0	90.0	90.0	84.5
74.0	72.0	67.0	*60.0	69.0	78.0	68.0	79.0	83.0	83.0	82.0	82.0	81.4
69.3	67.6	*67.0	68.2	71.2	75.7	79.6	82.1	84.2	84.9	85.6	86.5	80.6

VAPOR PRESSURE.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	12 m. n.	Mean.
18.6	18.3	18.4	19.2	19.1	18.7	18.9	19.0	19.0	19.5	19.5	19.4	18.6
21.6	21.9	*22.3	20.2	20.4	20.1	20.4	20.1	21.0	20.9	20.9	21.0	20.5
21.4	21.7	21.3	*22.0	*18.9	19.4	19.4	19.7	20.1	19.9	19.9	19.5	20.5
21.4	21.6	22.3	21.5	21.1	21.7	22.1	22.1	21.9	21.8	21.7	21.6	*21.4
21.9	22.1	21.6	*22.5	*22.5	21.1	21.1	20.3	20.1	19.9	19.6	*19.4	21.0
18.5	18.0	*16.3	16.6	17.1	17.4	17.3	17.1	17.2	17.2	17.3	17.0	18.3
21.0	21.0	20.6	21.6	*22.2	22.0	21.7	20.1	20.0	20.3	19.9	20.3	19.8
22.2	22.0	22.2	22.1	22.7	*23.2	22.4	22.5	22.0	20.6	19.9	19.8	20.9
21.1	20.8	21.0	21.6	18.8	18.6	19.5	20.2	19.9	19.7	19.3	19.1	19.8
20.6	19.8	21.3	22.0	*23.0	22.6	22.6	22.1	21.8	21.6	21.6	20.0	20.1
21.9	21.7	23.0	*24.1	23.4	23.0	22.7	21.3	21.3	21.6	21.6	21.5	21.1
18.0	17.9	18.1	*15.9	17.1	18.0	*22.3	21.7	21.3	20.6	20.0	19.7	20.0
21.4	21.7	23.0	*23.1	22.7	22.0	21.2	21.0	20.1	20.2	20.2	19.8	19.8
20.7	20.6	21.2	20.8	20.5	21.2	*21.9	21.2	21.0	20.2	19.8	19.4	20.0
19.0	19.7	18.9	18.4	19.5	19.6	19.8	*20.3	*20.3	19.8	19.4	19.6	19.2
20.4	19.4	19.6	19.9	20.5	*21.2	20.2	20.7	21.0	20.4	20.0	20.0	19.6
20.7	*21.1	19.6	20.5	19.4	18.2	*17.3	17.4	18.4	18.6	18.4	18.0	19.0
20.2	20.8	*21.7	20.8	19.9	20.3	20.1	20.5	19.7	19.4	19.2	19.5	19.3
22.1	*23.1	20.8	21.7	20.9	22.1	20.1	20.3	19.9	19.7	19.9	20.1	20.3
21.5	21.8	22.2	*22.4	21.8	21.6	22.1	22.1	21.7	21.3	21.2	21.4	20.9
21.0	20.0	19.6	19.2	20.4	19.8	20.1	19.8	20.0	19.3	19.0	*18.0	20.0
20.6	20.4	20.0	20.0	18.4	17.8	17.4	17.4	16.8	16.6	16.5	*16.2	18.0
*20.6	20.5	20.1	16.6	17.1	18.0	17.4	17.7	17.4	17.6	16.6	*16.3	17.8
18.3	16.9	16.4	*16.0	16.3	16.9	17.9	17.8	17.8	17.5	16.4	16.3	17.6
18.7	19.0	17.2	17.6	16.9	17.6	*19.4	18.6	18.4	18.7	18.9	19.2	*17.5
20.7	22.0	21.4	*22.5	22.1	21.3	20.3	20.3	19.4	18.9	18.9	18.8	19.7
*21.8	20.3	21.6	20.7	19.3	19.3	18.4	*17.8	*17.8	18.0	18.4	18.5	19.4
20.8	20.3	20.6	21.3	21.5	20.7	20.8	20.0	20.0	19.9	19.8	19.7	20.4
*22.1	20.1	*22.1	20.6	21.4	21.6	21.4	21.7	21.5	21.2	21.0	20.6	20.8
20.2	19.6	20.5	20.4	21.3	*21.9	20.9	21.1	20.9	20.0	20.4	20.8	20.3
*21.5	21.3	*21.5	18.6	20.0	20.5	*17.4	18.9	19.6	19.2	18.8	18.2	19.9
20.7	20.5	20.5	20.3	20.2	20.2	20.1	20.0	19.9	19.7	19.5	19.3	19.7

UPPER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Ci. cu. SSE.	A. cu.	A. cu. SSE.	A. cu.	A. cu. SSE.	Ci. cu.
2	Ci.	Ci.	Ci. s.	Ci. s.	Ci. s.	Ci. s.
3	A. cu.	A. cu. SE.	A. cu.	A. cu. SE.	A. cu.	A. cu.
4			A. cu. ENE.	A. cu.	A. cu. ENE.	A. cu.
5	Ci. SSW.	Ci. s.	Ci. s. SSW.	Ci. s.	Ci. s.	Ci. s.
6						
7	A. cu.	A. cu.	A. cu. E. by N.	A. cu.	A. cu.	
8						
9						
10						
11	A. cu. E.	A. cu. E.	Ci. s.	Ci. s.	Ci. s.	A. cu.
12						Ci.
13						
14			A. cu. E. by N.	A. cu. E. by N.	A. cu.	A. cu.
15	Ci.	Ci.	Ci. SE.	Ci.	Ci.	Ci.
16	A. s.	Ci.	Ci. SSW.	Ci.	Ci. s. S.	Ci.
17	Ci.	Ci.	Ci. S. by W.	Ci.	Ci.	Ci. s.
18	Ci. s.	Ci. s.	Ci. s.	A. cu.	Ci.	Ci. cu.
19	Ci.		A. cu. NE. by E.	Ci.	Ci.	Ci.
20	Ci. s.	Ci. s. SE.	Ci.	Ci. s.		Ci.
21	Ci.	Ci. SSE.	Ci.	Ci. SSE.	Ci. s.	Ci. s.
22						
23	Ci.	Ci.	Ci.	Ci.		
24	Ci. s.	Ci. s. S. by W.	Ci. s. S. by W.	Ci. s.	Ci. s.	Ci. s.
25		Ci.	Ci.	Ci.		
26	Ci. SW.	A. cu.	Ci.			
27	A. cu.	A. cu.				
28	A. cu.	A. cu.	A. cu.	A. cu.	A. cu.	
29			A. cu. ESE.	A. cu. ESE.	A. cu.	
30	Ci.	Ci. s.	Ci. s. SSW.	Ci. s.	Ci. s.	Ci. s.
31						

LOWER CLOUDS—FORM AND DIRECTION.

Day	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	S. cu.	S. cu.	S. cu.	S. cu. E. by N.	S. cu.	Cu. E. by N.
2	S. cu. E.	Cu.	Cu.	Cu.	Cu.	Cu.
3	S. cu.	Cu.	Cu.	Cu. E. by N.	Cu.	Cu.
4	Cu. N.	Cu. N.	Cu. N.	Cu. E.	Cu. E.	Cu.
5	S. cu. E.	S. cu.	S. cu.	Cu. ENE.	Cu.	Cu. E.
6	S. cu.	S. cu.	Cu.	Fr. cu. E.	Cu. E.	Cu. E.
7	S. cu.	S. cu.	S. cu.	S. cu. E.	Cu.	Cu.
8	S. cu.	S. cu.	S. cu.	Cu.	Cu. E.	Cu. N. cf. E.
9	S. cu.	Cu.	Cu.	Cu. E.	Cu. E.	Cu.
10	S. cu.	S. cu.	Cu.	Cu.	Cu.	Cu.
11	S. cu.	S. cu.	S. cu.	N. cf. E. by N.	N. cf. E. by N.	N. cf.
12	S. cu.	S. cu. E. by S.	Cu. ESE.	Cu. ESE.	Cu.	Cu.
13	S. cu.	S. cu.	Cu.	Cu.	Cu.	Cu.
14	Cu.	Cu.	Cu.	Cu. E.	Cu.	Cu. N.
15	Cu.	Cu.	Cu.	Cu. E.	Cu.	Cu.
16	Cu.	Cu.	Cu.	Cu.	Cu. E.	Cu.
17	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
18	S. cu.	S. cu. ENE.	S. cu. E.	S. cu. E.	S. cu.	Cu.
19	S. cu.	S. cu. ENE.	Cu.	Cu. ENE.	Cu.	N. cf.
20	S. cu. ENE.	S. cu.	S. cu. ENE.	Cu. ENE.	N. cf. ENE.	N. cf.
21	S. cu.	S. cu.	Cu.	Cu. E.	N. cf. E.	Cu. N.
22	S. cu.	Cu.	Cu.	Cu.	Cu.	Cu.
23	Cu.	Cu.	Cu. ENE.	Cu. ENE.	Cu. ENE.	Cu.
24	S. cu.	Cu.	Cu.	Cu. ENE.	Cu. ENE.	Cu.
25	S. cu.	Cu.	Cu.	Cu.	Cu.	Cu.
26	S. cu.	S. cu.	S. cu.	Cu. E.	Cu. E.	Cu.
27	S. cu.	S. cu.	Cu.	Cu. E.	Cu.	Cu.
28	S. cu.	Cu. N.	Cu. N. E. by N.	Cu. N. E. by N.	N.	N.
29	Cu. N.	Cu. N.	Cu. NNW.	Cu. N. N. by W.	Cu. N.	Cu. N.
30	Cu.	Cu.	Cu.	Cu.	Cu.	Cu.
31	Cu.	Cu.	Cu.	Cu. ENE.	Fr. cu. ENE.	Fr. cu.

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UPPER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
A. cu. E. Ci. s. A. cu. Ci.	A. cu. Ci. s. Ci. cu. SE. Ci. cu. SE.	Ci. cu. S. Ci. s. A. cu. SE. Ci.	A. cu. Ci. s. A. cu. ENE. A. cu. ENE. Ci.	Ci. Ci. s. A. cu. Ci. Ci.	Ci. s. A. cu. A. cu. Ci. s. A. cu. Ci.
A. cu. ENE. Ci.	A. cu. A. cu. Ci. Ci. Ci. s. Ci. A. cu.	A. cu. A. cu. Ci. Ci. Ci. s. A. cu. A. cu. Ci. A. cu.	A. cu. Ci. Ci. Ci. s. A. cu. E. Ci. A. cu. Ci.	A. cu. Ci. Ci. s. A. cu. Ci. Ci. s. A. cu. A. cu. Ci. s.	Ci. s. A. cu. Ci. s. Ci. Ci. Ci. s. Ci.
Ci. s.	Ci. s.	Ci. s. SW. by S.	A. cu. Ci. s.	A. cu. A. cu. Ci. s.	Ci. s. Ci.
A. cu. Ci. s.	Ci. s.	Ci. s.	Ci. cu.	A. cu. Ci.	A. cu. Ci.

LOWER CLOUDS—FORM AND DIRECTION.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.
Cu. ENE. Cu. Cu. Cu. E. Cu. E. by N. Cu. E. Cu. E. Cu. Cu. S. cu. E.	Cu. S. cu. Cu. E. Cu. N. Fr. N. E. by N. Cu. E. by N. Cu. E. Cu. Cu. E. S. cu. E.	Cu. ESE. S. cu. Cu. Cu. N. ESE. Fr. N. ENE. Cu. E. S. cu. Cu. Cu. E.	Cu. S. cu. S. cu. S. cu. ENE. Cu. N. cf. E. by N. S. cu. SE. Cu. S. cu. ENE.	Cu. S. cu. S. cu. Cu. N. Cu. S. cu. E. S. cu. E. S. cu. S. cu. NE. S. cu.	S. cu. S. cu. S. cu. S. cu. Cu. Cu. S. cu. S. cu. S. cu. S. cu. S. cu.
Cu. N. Cu. Cu. NNE. Cu. N. Cu. Cu. Cu. N. cf. E. N. cf. E. N. cf.	Cu. E. by N. Cu. Cu. Cu. N. E. Cu. E. Cu. Cu. E. N. cf. Cu. N. Cu. N. E.	Cu. N. Cu. Cu. Cu. N. E. Cu. Cu. Cu. N. cf. E. Fr. N. NE. Cu. N. E.	Cu. N. Cu. Cu. S. cu. Cu. Cu. E. by N. N. cf. ENE. Cu. S. cu. NE. by E. Cu. N.	Cu. N. Cu. Cu. S. cu. Cu. Cu. S. cu. S. cu. S. cu. E. S. cu.	S. cu. Cu. Cu. S. cu. Cu. Cu. S. cu. S. cu. S. cu. S. cu.
N. cf. E. by N. Cu. N. N. Cu. N. Cu. Cu. E. by N.	N. cf. E. by N. N. cf. E. by S. N. Cu. N. ESE. Cu. Cu. E. by N.	Cu. N. N. cf. E. Fr. N. N. Cu. Cu. E. by N.	Cu. N. NE. S. cu. E. Fr. N. E. Cu. N. Cu. E. by N.	S. cu. E. S. cu. NE. S. cu. Cu. N. Cu. N. Cu.	S. cu. S. cu. S. cu. S. cu. N. S. cu. Fr. N. S. cu. S. cu. Cu.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
1	NE.	1.5	NE.	1.0	NE.	2.0	NE.	2.0	NE.	1.0	ENE.	1.0
2	Calm.		NE.	1.0	N.	1.0	NNE.	1.5	Calm.		Calm.	
3	Calm.		Calm.		ESE.	1.0	ESE.	1.0	NE.	1.0	NE.	1.5
4	Calm.		Calm.		Calm.		Calm.		Calm.		SSW.	0.5
5	ENE.	1.0	Calm.		Calm.		ENE.	0.5	ENE.	0.5	Calm.	
6	Calm.		Calm.		NE.	1.0	NE.	1.0	Calm.		Calm.	
7	Calm.		Calm.		ENE.	1.0	ENE.	1.0	Calm.		E.	1.5
8	Calm.		Calm.		Calm.		Calm.		Calm.		Calm.	
9	E.	1.0	ENE.	1.0	NE.	0.5	Calm.		Calm.		Calm.	
10	E.	1.5	E.	1.0	NNE.	1.0	NE.	1.5	NE.	1.0	NNE.	2.0
11	Calm.		Calm.		Calm.		NNE.	1.5	NE.	1.0	N.	*2.5
12	Calm.		Calm.		Calm.		Calm.		Calm.		ENE.	1.0
13	E.	1.5	E.	1.5	E.	1.5	E.	1.5	ENE.	1.0	Calm.	
14	NE.	1.0	NE.	0.5	NE.	1.0	NE.	1.0	NE.	1.0	Calm.	
15	NNE.	1.5	NE.	0.5	NE.	1.5	NE.	1.5	NE.	1.0	Calm.	
16	Calm.		Calm.		Calm.		Calm.		Calm.		Calm.	
17	NE.	0.5	Calm.		Calm.		Calm.		NE.	1.5	Calm.	
18	ENE.	1.5	ENE.	1.0	NNE.	2.0	NNE.	1.0	NE.	1.0	NE.	1.0
19	Calm.		Calm.		Calm.		Calm.		NNE.	1.5	NE.	1.5
20	SE.	2.0	ESE.	2.0	ESE.	0.5	ESE.	1.0	ENE.	1.5	E.	2.5
21	Calm.		Calm.		NE.	1.5	Calm.		Calm.		Calm.	
22	ENE.	1.5	ENE.	1.0	Calm.		Calm.		Calm.		Calm.	
23	NE.	1.5	NE.	1.0	NE.	1.0	NE.	1.0	ENE.	1.5	NE.	1.0
24	Calm.		Calm.		Calm.		Calm.		Calm.		Calm.	
25	ENE.	0.5	ENE.	3.0	Calm.		ENE.	2.0	NE.	0.5	NE.	2.0
26	NE.	1.0	NE.	1.0	NE.	0.5	NE.	1.0	Calm.		Calm.	
27	SE.	1.0	ESE.	1.0	Calm.		Calm.		Calm.		Calm.	
28	Calm.		ENE.	0.5	E.	0.5	E.	0.5	ESE.	2.0	NE.	1.0
29	Calm.		NNE.	3.5	NNE.	1.5	Calm.		E.	2.5	NE.	1.0
30	NE.	1.5	Calm.		Calm.		NE.	1.0	Calm.		NE.	1.0
31	Calm.		Calm.		SE.	1.0	Calm.		NE.	1.0	NE.	1.5
Mean.		*0.6		0.7		*0.6		0.7		0.7		0.7

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
1	ENE.	*3.0	E.	2.0	E.	2.0	E.	1.5	ENE.	2.5	ENE.	1.5
2	Calm.		Calm.		Calm.		ESE.	1.5	Calm.		SE.	*2.0
3	WSW.	2.0	SW.	2.5	WSW.	2.0	Calm.		ESE.	2.5	SE.	2.0
4	SE.	*6.0	SE.	3.0	N.	*6.0	Calm.		ENE.	2.0	Calm.	
5	SW.	2.5	E.	2.0	E.	*3.5	NE.	0.5	NE.	0.5	Calm.	
6	SE.	5.0	ESE.	*6.0	E.	3.0	E.	4.0	E.	1.0	Calm.	
7	W.	3.5	WNW.	*5.0	W.	1.5	W.	1.5	WSW.	1.0	Calm.	
8	WSW.	3.0	WSW.	1.5	WNW.	3.5	NW.	3.5	NNW.	3.5	N.	1.0
9	WSW.	2.0	W.	1.5	W.	1.0	Calm.		SE.	2.0	E.	2.0
10	W.	3.0	W.	*3.5	W.	2.0	W.	1.5	Calm.		Calm.	
11	W.	1.5	WSW.	0.5	SSE.	0.5	SE.	0.5	NW.	1.0	Calm.	
12	ESE.	3.0	SSE.	5.5	SE.	3.5	ESE.	3.5	Calm.		Calm.	
13	SW.	4.0	SW.	4.5	SW.	2.5	SW.	1.0	S.	1.0	SSE.	2.0
14	WSW.	0.5	ESE.	1.5	Calm.		ESE.	1.5	Calm.		Calm.	
15	WNW.	3.0	NW.	3.0	WNW.	*3.5	W.	1.5	Calm.		Calm.	
16	W.	2.5	WSW.	3.0	WSW.	2.5	W.	1.5	Calm.		Calm.	
17	SW.	3.0	SW.	2.0	SSE.	3.0	ESE.	2.0	ENE.	*4.0	E.	2.5
18	NE.	1.0	Calm.		SSW.	0.5	SE.	*4.0	SE.	3.0	Calm.	
19	Calm.		Calm.		E. by N.	1.5	ESE.	2.0	SE. by E.	1.0	Calm.	
20	NW.	*3.0	NNW.	1.0	S.	1.0	Calm.		Calm.		NNE.	1.0
21	SSE.	6.0	SE.	*7.0	ESE.	4.0	E.	5.0	SE.	5.0	E.	1.5
22	WNW.	*4.5	WNW.	3.0	W.	3.0	WNW.	3.0	ENE.	3.0	E.	1.5
23	WSW.	1.5	SW.	2.5	NE.	1.5	E.	*6.0	ENE.	2.0	NE.	1.5
24	W.	2.5	SE. by E.	4.5	SE.	4.0	SE.	*7.5	ESE.	2.5	SE.	2.0
25	WNW.	1.5	S.	1.5	SE.	7.0	SE.	*7.5	SE.	4.0	ESE.	2.5
26	WSW.	2.5	Calm.		WNW.	1.0	Calm.		NNE.	2.0	Calm.	
27	N.	4.0	WSW.	3.0	WSW.	0.5	Calm.		E.	*6.0	ESE.	2.0
28	NE.	4.5	ENE.	3.5	ESE.	1.5	SE.	3.0	SE.	1.5	SE.	*5.0
29	E.	2.0	ESE.	3.0	ESE.	1.5	SSE.	3.5	Calm.		Calm.	
30	WNW.	2.0	WNW.	2.5	WNW.	3.0	WNW.	1.5	Calm.		Calm.	
31	W.	1.5	WNW.	*5.0	WSW.	1.0	ESE.	4.0	SE.	3.0	Calm.	
Mean.		*2.7		*2.7		2.3		2.3		1.7		1.0

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WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
E.	0.5	ENE.	1.5	NE.	0.5	ENE.	1.5	Calm.		WSW.	2.0
NE.	1.0	Calm.		Calm.		WSW.	1.5	W.	*2.0	WNW.	*2.0
E.	1.0	Calm.		Calm.		W.	1.0	ENE.	1.5	WSW.	*3.0
E.	1.5	Calm.		NE.	2.5	Calm.		ESE.	1.5	ESE.	2.0
Calm.		Calm.		W.	0.5	WSW.	2.0	W.	3.0	WSW.	2.0
Calm.		ENE.	1.0	NE.	1.5	NE.	1.0	E.	5.0	ENE.	3.0
Calm.		Calm.		S.	1.0	SW.	2.0	WSW.	2.5	WSW.	2.0
NE.	0.5	NNE.	1.5	NW.	2.0	W.	4.0	W.	*4.5	WSW.	2.0
Calm.		Calm.		E.	1.5	W.	0.5	WSW.	3.0	WNW.	*6.0
NE.	2.0	Calm.		Calm.		Calm.		WSW.	3.0	W.	1.0
NE.	1.5	Calm.		Calm.		SW.	2.0	WSW.	2.0	W.	*2.5
Calm.		ENE.	1.0	E.	1.5	E.	2.5	ESE.	2.0	SE.	*6.5
NE.	0.5	Calm.		NE.	1.0	WNW.	1.5	WSW.	2.0	WSW.	2.5
Calm.		Calm.		Calm.		W.	1.5	WSW.	2.0	WNW.	3.0
Calm.		NE.	0.5	NNE.	1.5	Calm.		SW.	2.0	WSW.	3.0
Calm.		Calm.		NE.	0.5	WSW.	2.0	WNW.	*4.0	WSW.	3.0
ENE.	2.0	NE.	1.5	NE.	1.5	E.	0.5	WSW.	2.0	WSW.	1.5
Calm.		NE.	0.5	Calm.		SW.	2.0	SW.	1.0	NE.	2.5
NE.	0.5	NE.	1.5	NE.	0.5	W.	2.0	W. by S.	*4.0	W. by S.	3.5
NE.	1.5	ENE.	2.0	ENE.	0.5	E.	0.5	SW.	*3.0	W.	2.5
Calm.		Calm.		Calm.		W.	2.0	WNW.	3.0	WSW.	2.0
Calm.		ENE.	1.0	Calm.		E.	1.0	SW.	2.0	WSW.	3.5
Calm.		NE.	1.5	Calm.		NE.	2.0	ENE.	2.5	W.	3.0
ENE.	0.5	Calm.		Calm.		WNW.	3.0	SSW.	0.5	W.	2.0
Calm.		Calm.		NNE.	1.0	WSW.	3.5	W.	2.5	W. by S.	2.0
NE.	0.5	Calm.		Calm.		WSW.	2.0	W.	1.5	WSW.	*4.0
Calm.		Calm.		Calm.		S.	0.5	SW.	1.5	ESE.	2.0
NE.	1.5	NE.	4.5	NE.	4.0	NE.	3.0	ENE.	3.0	ENE.	2.0
NNE.	3.5	N.	2.0	NNE.	2.0	N.	3.0	WNW.	2.5	ENE.	*4.0
Calm.		Calm.		Calm.		W.	1.5	WSW.	*3.5	WSW.	2.5
Calm.		Calm.		Calm.		WSW.	3.0	W.	3.5	WSW.	2.5
*0.6		*0.6		0.8		1.7		2.5		*2.7	

7 p.		8 p.		9 p.		10 p.		11 p.		12 m. n.		Mean.
NE.	2.0	E.	0.5	Calm.		Calm.		Calm.		Calm.		1.2
E.	1.0	Calm.		Calm.		Calm.		Calm.		Calm.		*0.6
ESE.	1.5	NE.	0.5	Calm.		NNE.	0.5	SE.	0.5	ENE.	1.0	1.1
E.	0.5	Calm.		Calm.		Calm.		Calm.		E.	1.5	1.1
Calm.		Calm.		Calm.		NE.	0.5	NE.	1.0	NE.	0.5	0.9
E.	1.0	E.	0.5	E.	1.0	E.	0.5	Calm.		Calm.		1.5
WSW.	0.5	NE.	0.5	Calm.		Calm.		Calm.		NE.	0.5	1.0
Calm.		ESE.	0.5	Calm.		NE.	1.0	ENE.	0.5	ENE.	0.5	1.4
SE.	3.0	ESE.	1.0	E.	0.5	ESE.	2.0	ESE.	1.5	E.	1.0	1.3
Calm.		E.	0.5	Calm.		E.	1.5	Calm.		N.	1.0	1.1
Calm.		E.	1.0	E.	1.0	Calm.		Calm.		Calm.		0.8
NNE.	2.0	NE.	1.0	SE.	2.0	SE.	1.0	E.	1.0	E.	1.0	1.6
SE.	1.0	NNE.	1.0	N.	*8.0	NNE.	3.0	NE.	1.0	NE.	1.0	1.9
Calm.		NE.	0.5	NNE.	*3.5	NNE.	2.0	NNE.	3.0	NNE.	3.0	1.1
Calm.		Calm.		SE.	1.0	Calm.		ENE.	1.0	Calm.		1.1
SE.	2.0	Calm.		SE.	1.0	Calm.		WSW.	1.0	Calm.		1.0
E.	0.5	ESE.	1.0	ESE.	2.0	ESE.	1.5	ESE.	1.5	ENE.	1.5	1.5
Calm.		ENE.	1.0	Calm.		ESE.	0.5	Calm.		Calm.		1.0
ESE.	1.0	ESE.	2.0	E.	0.5	SE.	0.5	Calm.		Calm.		1.0
NE.	1.0	Calm.		NE.	1.0	Calm.		Calm.		Calm.		1.1
SE.	4.0	ESE.	1.0	ESE.	1.5	ESE.	1.0	ESE.	1.0	ENE.	1.5	*2.0
ESE.	1.5	ESE.	1.0	E.	1.0	ESE.	1.5	ESE.	1.0	ESE.	1.0	1.5
ENE.	1.0	Calm.		ESE.	0.5	Calm.		Calm.		Calm.		1.4
ESE.	1.0	SE.	3.0	ESE.	5.0	ESE.	5.0	ENE.	2.5	ENE.	2.0	*2.0
Calm.		Calm.		SE.	1.0	SE.	1.0	SE.	1.0	SE.	1.0	1.9
ENE.	2.0	Calm.		ENE.	1.0	Calm.		E.	1.0	E.	1.0	0.9
ENE.	3.0	E.	4.0	E.	1.5	ENE.	1.5	ENE.	1.0	Calm.		1.4
Calm.		NNW.	3.0	NE.	1.0	NE.	1.0	Calm.		Calm.		1.9
Calm.		NE.	0.5	NE.	1.5	NNE.	1.0	NE.	1.5	NNE.	1.0	1.7
SE.	2.0	Calm.		ESE.	1.0	ESE.	2.0	E.	1.0	Calm.		1.1
ESE.	2.5	ESE.	1.0	ESE.	3.0	E.	0.5	E.	1.0	ESE.	0.5	1.5
1.1		0.8		1.3		0.9		0.7		0.7		1.3

